

## Photograph Log

| Client:                                                     |                        | Site Location:                                                                      | Project No.: |
|-------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|--------------|
| Wrenbridge                                                  |                        | Shinfield Park, Reading                                                             | 610344       |
| Photo No.                                                   | Date                   |  |              |
| 31                                                          | 19/06/24<br>- 21/06/24 |                                                                                     |              |
| <b>Description</b><br>WS107 - recovery from 2.0 to 3.0m bgl |                        |                                                                                     |              |

| Photo No.                                                   | Date                   |  |  |
|-------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|--|
| 32                                                          | 19/06/24<br>- 21/06/24 |                                                                                      |  |
| <b>Description</b><br>WS107 - recovery from 3.0 to 4.0m bgl |                        |                                                                                      |  |

## Photograph Log

| Client:                                                     |                        | Site Location:                                                                      | Project No.: |
|-------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|--------------|
| Wrenbridge                                                  |                        | Shinfield Park, Reading                                                             | 610344       |
| Photo No.                                                   | Date                   |  |              |
| 33                                                          | 19/06/24<br>- 21/06/24 |                                                                                     |              |
| <b>Description</b><br>WS107 - recovery from 4.0 to 5.0m bgl |                        |                                                                                     |              |

| Photo No.                                             | Date                   |  |  |
|-------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|--|
| 34                                                    | 19/06/24<br>- 21/06/24 |                                                                                      |  |
| <b>Description</b><br>WS108 - inspection pit arisings |                        |                                                                                      |  |

## Photograph Log

| Client:                         |                        | Site Location:                                                                      | Project No.: |
|---------------------------------|------------------------|-------------------------------------------------------------------------------------|--------------|
| Wrenbridge                      |                        | Shinfield Park, Reading                                                             | 610344       |
| Photo No.                       | Date                   |  |              |
| 35                              | 19/06/24<br>- 21/06/24 |                                                                                     |              |
| Description                     |                        |                                                                                     |              |
| WS109 - inspection pit arisings |                        |                                                                                     |              |

| Photo No.                          | Date                   |  |  |
|------------------------------------|------------------------|--------------------------------------------------------------------------------------|--|
| 36                                 | 19/06/24<br>- 21/06/24 |                                                                                      |  |
| Description                        |                        |                                                                                      |  |
| WS110 - concrete slab at 0.60m bgl |                        |                                                                                      |  |

## Photograph Log

| Client:                                               |                        | Site Location:                                                                      | Project No.: |
|-------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|--------------|
| Wrenbridge                                            |                        | Shinfield Park, Reading                                                             | 610344       |
| Photo No.                                             | Date                   |  |              |
| 37                                                    | 19/06/24<br>- 21/06/24 |                                                                                     |              |
| <b>Description</b><br>WS112 - inspection pit arisings |                        |                                                                                     |              |

| Photo No.                                                   | Date                   |  |  |
|-------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|--|
| 38                                                          | 19/06/24<br>- 21/06/24 |                                                                                      |  |
| <b>Description</b><br>WS112 - recovery from 1.2 to 2.0m bgl |                        |                                                                                      |  |

## Photograph Log

| Client:                                                     |                        | Site Location:                                                                      | Project No.: |
|-------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|--------------|
| Wrenbridge                                                  |                        | Shinfield Park, Reading                                                             | 610344       |
| Photo No.                                                   | Date                   |  |              |
| 39                                                          | 19/06/24<br>- 21/06/24 |                                                                                     |              |
| <b>Description</b><br>WS112 - recovery from 2.0 to 3.0m bgl |                        |                                                                                     |              |

| Photo No.                                                   | Date                   |  |  |
|-------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|--|
| 40                                                          | 19/06/24<br>- 21/06/24 |                                                                                      |  |
| <b>Description</b><br>WS112 - recovery from 4.0 to 5.0m bgl |                        |                                                                                      |  |

## **Annex C: Exploratory Hole Logs**

## Composite Materials and Lithology

| Legend                                                                              | Code | Description         | Legend                                                                              | Code | Description           |
|-------------------------------------------------------------------------------------|------|---------------------|-------------------------------------------------------------------------------------|------|-----------------------|
|    | 101  | Topsoil             |    | 730  | Boulders              |
|    | 102  | Made Ground or Fill |    | 801  | Mudstone              |
|    | 103  | Asphalt             |    | 802  | Siltstone             |
|    | 104  | Concrete            |    | 803  | Sandstone             |
|    | 201  | Clay                |    | 804  | Limestone or Dolomite |
|    | 301  | Silt                |    | 805  | Chalk                 |
|    | 401  | Sand                |    | 806  | Coal                  |
|   | 501  | Gravel              |   | 807  | Breccia               |
|  | 601  | Peat                |  | 808  | Conglomerate          |
|  | 701  | Cobbles             |  | 809  | Fine Grained Igneous  |

## Backfill

| Legend                                                                              | Code | Description | Legend                                                                               | Code       | Description           |
|-------------------------------------------------------------------------------------|------|-------------|--------------------------------------------------------------------------------------|------------|-----------------------|
|  | 901  | Sand Filter |   | 902<br>908 | Gravel Filter Ballast |
|  | 903  | Bentonite   |   | 904        | Grout                 |
|  | 905  | Arisings    |   | 906<br>912 | Concrete Paving Slab  |
|  | 907  | Asphalt     |  | 999        | Void                  |

NB: Composite soil types are represented by combined legends. Each type will have its own code within the AGS data.

## In-Situ Testing

| Prefix | Type                                                            | Comments                                                                                                                |
|--------|-----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| SPT(S) | Standard Penetration Test                                       | Uncorrected test results at relevant start depth. Hammer ID and Energy Ratio reported on log and in relevant AGS fields |
| SPT(C) | (S) Split Spoon (C) Solid Cone                                  |                                                                                                                         |
| HV     | Hand Vane Test                                                  | Undrained Shear Strength reported in kPa.                                                                               |
| PP     | Hand Penetrometer Test                                          | Unconfined Compressive Strength reported in kPa                                                                         |
| PID    | On-Site Volatile Headspace Testing by Photo Ionization Detector | Screening reported as ppmv. Headspace testing undertaken as per contract documents                                      |
| PPM    | In-Situ Permeability Test                                       | Permeability (k) reported in m/s. Please refer to individual test sheets for data and methodology                       |

## Sampling

| Prefix | Type                                        | Comments                                                                                                                                         |
|--------|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| D      | Small Disturbed Sample                      | Nominally 1kg                                                                                                                                    |
| B      | Bulk Disturbed Sample                       | Nominally 5kg                                                                                                                                    |
| LB     | Large Bulk Disturbed Sample                 | 25kg to 60kg depending on material type, for compaction related tests                                                                            |
| U      | Undisturbed sample - thick wall driven tube | For CP, nominally 100mm diameter, 450mm length. For WS, nominally 38mm diameter, 100mm length. Blows to drive tube and recovery found in remarks |
| UT     | Undisturbed Sample – Thin wall driven tube  | Nominally 100mm diameter, 450mm length. Blows to drive tube and recovery found in remarks                                                        |
| P      | Pushed piston sample                        | Nominally 100mm diameter, 1000mm length. Recovery found in remarks                                                                               |
| C      | Core sample                                 | -                                                                                                                                                |
| AMAL   | Amalgamated Sample                          | Details of samples used noted in remarks as well as relevant AGS field                                                                           |
| W      | Water sample                                | Not for environmental testing purposes                                                                                                           |
| ES     | Environmental sample                        | Multiple containers used where appropriate                                                                                                       |
| EW     | Environmental water sample                  | Multiple containers used where appropriate                                                                                                       |

## Installations

| Legend                                                                                | Description             |
|---------------------------------------------------------------------------------------|-------------------------|
|  | Piezometer Plain Pipe   |
|  | Piezometer Slotted Pipe |

## Water Observations

| Legend                                                                                | Description                               |
|---------------------------------------------------------------------------------------|-------------------------------------------|
|  | Water strike                              |
|  | Standing water level after specified time |

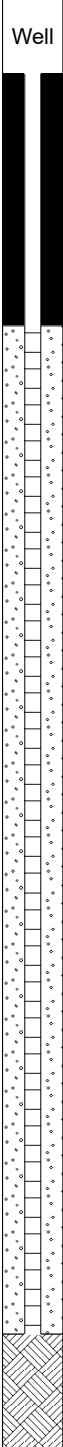
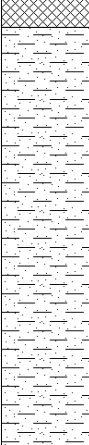
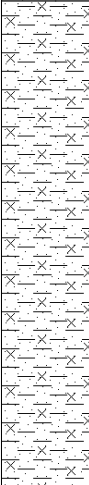
Details are provided on each log through the Water Strike Table

## Rotary Boreholes:

T.C.R. - Total Core Recovery %  
 S.C.R. - Solid Core Recovery %  
 R.Q.D. - Rock Quality Designation %  
 F.I. - Fracture Index

All soil and rock descriptions in general accordance with BS5930, BS EN ISO 14688 and BS EN ISO 14689



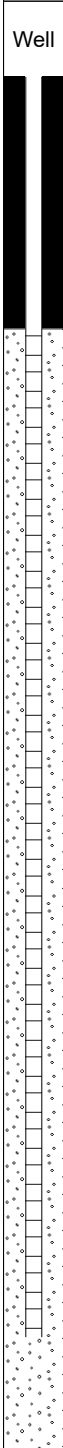
| Well                                                                               | Water Strikes | Sample and In Situ Testing |                    |         | Depth (m) | Level (m) | Legend                                                                              | Stratum Description                                                                                                                                                                                      |                       |
|------------------------------------------------------------------------------------|---------------|----------------------------|--------------------|---------|-----------|-----------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
|                                                                                    |               | Depth (m)                  | Type               | Results |           |           |                                                                                     |                                                                                                                                                                                                          |                       |
|  |               |                            |                    |         | 0.08      | 75.22     |    | Bituminous surfacing.                                                                                                                                                                                    |                       |
|                                                                                    |               |                            |                    |         | 0.30      | 75.00     |    | MADE GROUND: Brownish yellow very gravelly SAND. Sand is fine to coarse grained. Gravel is sub-angular to rounded, fine to coarse grained. Gravel consists of Type 1, asphalt, bitumen and flint.        |                       |
|                                                                                    |               |                            |                    |         |           |           |    | <u>Frequent roots to 1.20m bgl.</u>                                                                                                                                                                      |                       |
|                                                                                    | 0.25          | D                          |                    |         |           |           |                                                                                     | Firm brownish orange slightly sandy slightly gravelly CLAY. Sand is fine to coarse grained. Gravel is sub-angular to rounded, fine to medium grained. Gravel consists of flint. [LONDON CLAY FORMATION]. | 1                     |
|                                                                                    | 0.25          | ES                         |                    |         |           |           |                                                                                     |                                                                                                                                                                                                          |                       |
|                                                                                    | 0.25          | PID                        | PID=0.00           |         |           |           |                                                                                     |                                                                                                                                                                                                          |                       |
|                                                                                    | 0.50          | D                          |                    |         |           |           |                                                                                     |                                                                                                                                                                                                          |                       |
|                                                                                    | 0.50          | PP                         | 205.94             |         |           |           |                                                                                     |                                                                                                                                                                                                          |                       |
|                                                                                    | 0.50          | PID                        | PID=0.00           |         |           |           |                                                                                     |                                                                                                                                                                                                          |                       |
|                                                                                    | 0.75          | PP                         | 163.00             |         |           |           |                                                                                     |                                                                                                                                                                                                          |                       |
|                                                                                    | 1.00          | PP                         | 222.00             |         |           |           |                                                                                     |                                                                                                                                                                                                          |                       |
|                                                                                    | 1.00          | SPT                        | N=7 (1,1/1,2,2,2)  |         |           |           |                                                                                     |                                                                                                                                                                                                          |                       |
|                                                                                    | 1.20          | D                          |                    |         |           |           |                                                                                     |                                                                                                                                                                                                          |                       |
|                                                                                    | 1.20          | ES                         |                    |         |           |           |                                                                                     |                                                                                                                                                                                                          |                       |
|                                                                                    | 1.20          | PID                        | PID=0.00           |         |           |           |                                                                                     |                                                                                                                                                                                                          |                       |
|                                                                                    | 1.25          | PP                         | 140.00             |         |           |           |                                                                                     |                                                                                                                                                                                                          |                       |
|                                                                                    | 1.50          | PP                         | 228.00             |         |           |           |                                                                                     |                                                                                                                                                                                                          |                       |
|                                                                                    | 1.75          | PP                         | 294.00             |         |           |           |                                                                                     |                                                                                                                                                                                                          |                       |
|                                                                                    | 2.00          | D                          |                    |         |           |           |                                                                                     |                                                                                                                                                                                                          |                       |
|                                                                                    | 2.00          | PP                         | 300.00             |         |           |           |                                                                                     |                                                                                                                                                                                                          | <u>Becoming stiff</u> |
|                                                                                    | 2.00          | SPT                        | N=14 (2,2/3,3,4,4) |         |           |           |                                                                                     | <u>Gypsum crystals present</u>                                                                                                                                                                           |                       |
|                                                                                    | 2.00          | PID                        | PID=0.00           |         |           |           |                                                                                     |                                                                                                                                                                                                          |                       |
|                                                                                    | 2.25          | PP                         | 330.00             |         |           |           |                                                                                     |                                                                                                                                                                                                          |                       |
|                                                                                    | 2.50          | PP                         | 326.00             |         |           |           |                                                                                     |                                                                                                                                                                                                          |                       |
|                                                                                    | 2.75          | PP                         | 405.00             |         |           |           |                                                                                     |                                                                                                                                                                                                          |                       |
|                                                                                    | 3.00          | D                          |                    |         |           |           |                                                                                     |                                                                                                                                                                                                          |                       |
|                                                                                    | 3.00          | PP                         | 333.00             |         |           |           |                                                                                     | <u>Becoming very stiff</u>                                                                                                                                                                               | 3                     |
|                                                                                    | 3.00          | SPT                        | N=21 (2,3/4,5,5,7) |         |           |           |                                                                                     |                                                                                                                                                                                                          |                       |
|                                                                                    | 3.00          | PID                        | PID=0.00           |         |           |           |                                                                                     |                                                                                                                                                                                                          |                       |
|                                                                                    | 3.25          | PP                         | 302.00             |         |           |           |                                                                                     |                                                                                                                                                                                                          |                       |
|                                                                                    | 3.50          | PP                         | 196.00             |         | 3.50      | 71.80     |  | Very stiff brown very silty slightly sandy slightly gravelly CLAY. Sand is fine to coarse grained. Gravel is angular to subrounded and consists of flint. [LONDON CLAY FORMATION].                       |                       |
|                                                                                    | 3.75          | PP                         | 156.00             |         |           |           |                                                                                     |                                                                                                                                                                                                          |                       |
|                                                                                    | 4.00          | D                          |                    |         |           |           |                                                                                     |                                                                                                                                                                                                          |                       |
|                                                                                    | 4.00          | PP                         | 107.00             |         |           |           |                                                                                     |                                                                                                                                                                                                          |                       |
|                                                                                    | 4.00          | SPT                        | N=16 (3,3/3,4,4,5) |         |           |           |                                                                                     |                                                                                                                                                                                                          |                       |
|                                                                                    | 4.00          | PID                        | PID=0.00           |         |           |           |                                                                                     |                                                                                                                                                                                                          |                       |
| 4.25                                                                               | PP            | 189.00                     |                    |         |           |           |                                                                                     |                                                                                                                                                                                                          |                       |
| 4.50                                                                               | PP            | 326.00                     |                    |         |           |           |                                                                                     |                                                                                                                                                                                                          |                       |
| 4.75                                                                               | PP            | 424.00                     |                    |         |           |           |                                                                                     |                                                                                                                                                                                                          |                       |
| 5.00                                                                               | D             |                            |                    |         |           |           |                                                                                     |                                                                                                                                                                                                          |                       |
| 5.00                                                                               | SPT           | N=19 (3,3/5,4,5,5)         |                    |         |           |           |                                                                                     |                                                                                                                                                                                                          |                       |
| 5.00                                                                               | PID           | PID=0.00                   |                    |         |           |           |                                                                                     |                                                                                                                                                                                                          |                       |
|                                                                                    |               |                            |                    | 5.45    | 69.85     |           | End of Borehole at 5.450m                                                           |                                                                                                                                                                                                          |                       |
|                                                                                    |               |                            |                    |         |           |           |                                                                                     | 6                                                                                                                                                                                                        |                       |

[illegible]

1. Hand pitted to 1.00m bgl.
2. No groundwater encountered.
3. Hole terminated at target depth of 5.45m bgl
4. Response zone of install between 1.00m and 5.00m bgl.





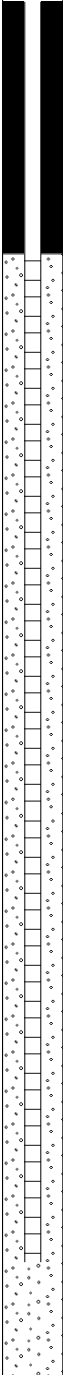
| Well                                                                               | Water Strikes                                                                     | Sample and In Situ Testing |      |                    | Depth (m) | Level (m) | Legend                                                                            | Stratum Description                                                                                                                                                                     |                                                                                                                     |   |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------|------|--------------------|-----------|-----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|---|
|                                                                                    |                                                                                   | Depth (m)                  | Type | Results            |           |           |                                                                                   |                                                                                                                                                                                         |                                                                                                                     |   |
|  |  |                            |      |                    | 0.08      | 73.53     |  | Grey bituminous surfacing.                                                                                                                                                              |                                                                                                                     |   |
|                                                                                    |                                                                                   |                            |      |                    | 0.13      | 73.47     |  | Light grey concrete.                                                                                                                                                                    |                                                                                                                     |   |
|                                                                                    |                                                                                   |                            |      |                    | 0.30      | 73.30     |  | MADE GROUND: Orangeish brown very gravelly SAND. Sand is fine to coarse grained. Gravel is angular to rounded, fine to coarse grained. Gravel consists of Type 1, bitumen and concrete. |                                                                                                                     |   |
|                                                                                    |                                                                                   | 0.50                       | B    |                    | 0.55      | 73.05     |  | MADE GROUND: Brown silty clayey sandy GRAVEL. Sand is fine to coarse grained. Gravel is very angular to sub-angular, fine to coarse grained. Gravel consists of Type 1 and flint.       |                                                                                                                     |   |
|                                                                                    |                                                                                   | 0.50                       | ES   |                    |           |           |                                                                                   |                                                                                                                                                                                         |                                                                                                                     |   |
|                                                                                    |                                                                                   | 0.50                       | PID  | PID=0.00           |           |           |                                                                                   |                                                                                                                                                                                         |                                                                                                                     |   |
|                                                                                    |                                                                                   | 0.90                       | ES   |                    |           |           |                                                                                   |                                                                                                                                                                                         |                                                                                                                     |   |
|                                                                                    |                                                                                   | 1.00                       | PP   | 307.00             |           |           |                                                                                   |                                                                                                                                                                                         |                                                                                                                     | 1 |
|                                                                                    |                                                                                   | 1.00                       | SPT  | N=7 (1,1/1,2,2,2)  |           |           |                                                                                   |                                                                                                                                                                                         | Firm becoming stiff light brown slightly sandy silty CLAY. Sand is fine to medium grained. [LONDON CLAY FORMATION]. |   |
|                                                                                    |                                                                                   | 1.20                       | D    |                    |           |           |                                                                                   |                                                                                                                                                                                         |                                                                                                                     |   |
|                                                                                    |                                                                                   | 1.20                       | PID  | PID=0.00           |           |           |                                                                                   |                                                                                                                                                                                         |                                                                                                                     |   |
|                                                                                    |                                                                                   |                            |      |                    |           |           |                                                                                   |                                                                                                                                                                                         |                                                                                                                     |   |
|                                                                                    |                                                                                   | 1.75                       | PP   | 235.00             |           |           |                                                                                   |                                                                                                                                                                                         |                                                                                                                     |   |
|                                                                                    |                                                                                   | 2.00                       | B    |                    |           |           |                                                                                   |                                                                                                                                                                                         |                                                                                                                     | 2 |
|                                                                                    |                                                                                   | 2.00                       | D    |                    |           |           |                                                                                   |                                                                                                                                                                                         | Becoming stiff                                                                                                      |   |
|                                                                                    |                                                                                   | 2.00                       | SPT  | N=15 (2,2/3,3,4,5) |           |           |                                                                                   |                                                                                                                                                                                         |                                                                                                                     |   |
|                                                                                    |                                                                                   | 2.00                       | PID  | PID=0.00           |           |           |                                                                                   |                                                                                                                                                                                         |                                                                                                                     |   |
|                                                                                    |                                                                                   | 2.50                       | PP   | 326.00             |           |           |                                                                                   |                                                                                                                                                                                         |                                                                                                                     |   |
|                                                                                    |                                                                                   |                            |      |                    |           |           |                                                                                   |                                                                                                                                                                                         |                                                                                                                     |   |
|                                                                                    |                                                                                   | 3.00                       | D    |                    |           |           |                                                                                   |                                                                                                                                                                                         |                                                                                                                     | 3 |
|                                                                                    |                                                                                   | 3.00                       | PP   | 235.00             |           |           |                                                                                   |                                                                                                                                                                                         |                                                                                                                     |   |
|                                                                                    |                                                                                   | 3.00                       | SPT  | N=11 (2,2/2,3,3,3) |           |           |                                                                                   |                                                                                                                                                                                         |                                                                                                                     |   |
|                                                                                    |                                                                                   | 3.00                       | PID  | PID=0.00           |           |           |                                                                                   |                                                                                                                                                                                         |                                                                                                                     |   |
|                                                                                    |                                                                                   | 3.50                       | PP   | 307.00             | 3.50      | 70.10     |                                                                                   |                                                                                                                                                                                         | Stiff brown silty CLAY. [LONDON CLAY FORMATION]                                                                     |   |
|                                                                                    |                                                                                   |                            |      |                    |           |           |                                                                                   |                                                                                                                                                                                         |                                                                                                                     |   |
| 4.00                                                                               | D                                                                                 |                            |      |                    |           |           |                                                                                   | 4                                                                                                                                                                                       |                                                                                                                     |   |
| 4.00                                                                               | PP                                                                                | 228.00                     |      |                    |           |           |                                                                                   |                                                                                                                                                                                         |                                                                                                                     |   |
| 4.00                                                                               | SPT                                                                               | N=15 (2,2/3,3,4,5)         |      |                    |           |           |                                                                                   |                                                                                                                                                                                         |                                                                                                                     |   |
| 4.00                                                                               | PID                                                                               | PID=0.00                   |      |                    |           |           |                                                                                   |                                                                                                                                                                                         |                                                                                                                     |   |
| 4.50                                                                               | PP                                                                                | 245.00                     |      |                    |           |           |                                                                                   |                                                                                                                                                                                         |                                                                                                                     |   |
|                                                                                    |                                                                                   |                            |      |                    |           |           |                                                                                   |                                                                                                                                                                                         |                                                                                                                     |   |
| 5.00                                                                               | D                                                                                 |                            |      |                    |           |           |                                                                                   | 5                                                                                                                                                                                       |                                                                                                                     |   |
| 5.00                                                                               | SPT                                                                               | N=15 (2,3/4,4,3,4)         |      |                    |           |           |                                                                                   |                                                                                                                                                                                         |                                                                                                                     |   |
| 5.00                                                                               | PID                                                                               | PID=0.00                   |      |                    |           |           |                                                                                   |                                                                                                                                                                                         |                                                                                                                     |   |
|                                                                                    |                                                                                   |                            | 5.45 | 68.15              |           |           |                                                                                   |                                                                                                                                                                                         |                                                                                                                     |   |
|                                                                                    |                                                                                   |                            |      |                    |           |           | End of Borehole at 5.450m                                                         |                                                                                                                                                                                         |                                                                                                                     |   |
|                                                                                    |                                                                                   |                            |      |                    |           |           |                                                                                   | 6                                                                                                                                                                                       |                                                                                                                     |   |

| Hole Diameter |          | Casing Diameter |          | Chiselling |            |          |      | Inclination and Orientation |            |             |             |
|---------------|----------|-----------------|----------|------------|------------|----------|------|-----------------------------|------------|-------------|-------------|
| Depth Base    | Diameter | Depth Base      | Diameter | Depth Top  | Depth Base | Duration | Tool | Depth Top                   | Depth Base | Inclination | Orientation |
| 1.00          | 102      |                 |          |            |            |          |      |                             |            |             |             |
| 2.00          | 87       |                 |          |            |            |          |      |                             |            |             |             |
| 3.00          | 75       |                 |          |            |            |          |      |                             |            |             |             |
| 4.00          | 67       |                 |          |            |            |          |      |                             |            |             |             |
| 5.45          | 56       |                 |          |            |            |          |      |                             |            |             |             |

1. Hand pitted to 1.00m bgl.
2. Seepage encountered at 0.20m bgl.
3. Hole terminated at target depth of 5.45m bgl
4. Response zone of install between 1.00m and 5.00m bgl.





| Well                                                                               | Water Strikes | Sample and In Situ Testing |                    |                    | Depth (m) | Level (m) | Legend                                                                            | Stratum Description                                                               |                                                                                                                                                                                      |   |
|------------------------------------------------------------------------------------|---------------|----------------------------|--------------------|--------------------|-----------|-----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
|                                                                                    |               | Depth (m)                  | Type               | Results            |           |           |                                                                                   |                                                                                   |                                                                                                                                                                                      |   |
|  |               |                            |                    |                    | 0.08      | 79.24     |  | Light grey concrete and brick paving.                                             |                                                                                                                                                                                      |   |
|                                                                                    |               | 0.20                       | ES                 |                    |           | 0.30      | 79.02                                                                             |  | MADE GROUND: Yellow fine to coarse grained SAND.                                                                                                                                     |   |
|                                                                                    |               |                            |                    |                    |           | 0.50      | 78.82                                                                             |  | MADE GROUND: Brown very gravelly SAND. Sand is fine to coarse grained, Gravel is very angular to sub-angular, fine to coarse grained. Gravel consists of Type 1, concrete and flint. |   |
|                                                                                    |               |                            |                    |                    |           |           |                                                                                   |  | MADE GROUND: Brown slightly gravelly CLAY. Gravel is very angular to sub-angular, fine to coarse grained. Gravel consists of claystone and flint.                                    |   |
|                                                                                    |               | 1.00                       | SPT                | N=7 (1,1/1,2,2,2)  |           |           |                                                                                   |                                                                                   |                                                                                                                                                                                      | 1 |
|                                                                                    |               | 1.10                       | ES                 |                    |           | 1.10      | 78.22                                                                             |                                                                                   |                                                                                                                                                                                      |   |
|                                                                                    |               | 1.20                       | D                  |                    |           |           |                                                                                   |                                                                                   |                                                                                                                                                                                      |   |
|                                                                                    |               | 1.20                       | PID                | PID=0.00           |           |           |                                                                                   |                                                                                   |                                                                                                                                                                                      |   |
|                                                                                    |               | 1.25                       | PP                 | 245.00             |           |           |                                                                                   |                                                                                   |                                                                                                                                                                                      |   |
|                                                                                    |               | 1.50                       | PP                 | 235.00             |           |           |                                                                                   |                                                                                   |                                                                                                                                                                                      |   |
|                                                                                    |               | 1.75                       | PP                 | 241.00             |           |           |                                                                                   |                                                                                   |                                                                                                                                                                                      |   |
|                                                                                    |               | 2.00                       | D                  |                    |           |           |                                                                                   |                                                                                   |                                                                                                                                                                                      | 2 |
|                                                                                    |               | 2.00                       | SPT                | N=12 (1,2/3,2,3,4) |           |           |                                                                                   |                                                                                   |                                                                                                                                                                                      |   |
|                                                                                    |               | 2.00                       | PID                | PID=0.00           |           |           |                                                                                   |                                                                                   |                                                                                                                                                                                      |   |
|                                                                                    |               | 2.25                       | PP                 | 248.00             |           |           |                                                                                   |                                                                                   |                                                                                                                                                                                      |   |
|                                                                                    |               | 2.50                       | B                  |                    |           |           |                                                                                   |                                                                                   |                                                                                                                                                                                      |   |
|                                                                                    |               | 2.50                       | PP                 | 245.00             |           |           |                                                                                   |                                                                                   |                                                                                                                                                                                      |   |
|                                                                                    |               | 2.50                       | PID                | PID=0.00           |           |           |                                                                                   |                                                                                   |                                                                                                                                                                                      |   |
|                                                                                    |               | 2.75                       | PP                 | 241.00             |           |           |                                                                                   |                                                                                   |                                                                                                                                                                                      |   |
|                                                                                    |               | 3.00                       | D                  |                    |           |           |                                                                                   |                                                                                   |                                                                                                                                                                                      | 3 |
|                                                                                    |               | 3.00                       | SPT                | N=15 (2,2/3,3,4,5) |           |           |                                                                                   |                                                                                   |                                                                                                                                                                                      |   |
|                                                                                    |               | 3.00                       | PID                | PID=0.00           |           |           |                                                                                   |                                                                                   |                                                                                                                                                                                      |   |
|                                                                                    |               | 3.25                       | PP                 | 245.00             |           |           |                                                                                   |                                                                                   | Local lenses of grey clay from 3.20 to 3.50m bgl                                                                                                                                     |   |
|                                                                                    |               | 3.50                       | PP                 | 274.00             |           |           |                                                                                   |                                                                                   |                                                                                                                                                                                      |   |
|                                                                                    |               | 3.75                       | PP                 | 277.00             |           |           |                                                                                   |                                                                                   |                                                                                                                                                                                      |   |
|                                                                                    |               | 4.00                       | D                  |                    |           |           |                                                                                   |                                                                                   |                                                                                                                                                                                      | 4 |
|                                                                                    |               | 4.00                       | SPT                | N=14 (2,2/3,3,4,4) |           |           |                                                                                   |                                                                                   |                                                                                                                                                                                      |   |
|                                                                                    |               | 4.00                       | PID                | PID=0.00           |           |           |                                                                                   |                                                                                   |                                                                                                                                                                                      |   |
|                                                                                    |               | 4.25                       | PP                 | 205.00             |           |           |                                                                                   |                                                                                   |                                                                                                                                                                                      |   |
|                                                                                    |               | 4.50                       | PP                 | 307.00             |           |           |                                                                                   |                                                                                   |                                                                                                                                                                                      |   |
|                                                                                    | 4.75          | PP                         | 228.00             |                    |           |           |                                                                                   |                                                                                   |                                                                                                                                                                                      |   |
|                                                                                    | 5.00          | D                          |                    |                    |           |           |                                                                                   | Becoming very stiff                                                               | 5                                                                                                                                                                                    |   |
|                                                                                    | 5.00          | SPT                        | N=19 (3,3/4,4,5,6) |                    |           |           |                                                                                   |                                                                                   |                                                                                                                                                                                      |   |
|                                                                                    | 5.00          | PID                        | PID=0.00           |                    |           |           |                                                                                   |                                                                                   |                                                                                                                                                                                      |   |
|                                                                                    |               |                            |                    |                    | 5.45      | 73.87     |                                                                                   | End of Borehole at 5.450m                                                         |                                                                                                                                                                                      |   |
|                                                                                    |               |                            |                    |                    |           |           |                                                                                   |                                                                                   | 6                                                                                                                                                                                    |   |

| Hole Diameter |          | Casing Diameter |          | Chiselling |            |          |      | Inclination and Orientation |            |             |             |
|---------------|----------|-----------------|----------|------------|------------|----------|------|-----------------------------|------------|-------------|-------------|
| Depth Base    | Diameter | Depth Base      | Diameter | Depth Top  | Depth Base | Duration | Tool | Depth Top                   | Depth Base | Inclination | Orientation |
| 1.00          | 102      |                 |          |            |            |          |      |                             |            |             |             |
| 2.00          | 87       |                 |          |            |            |          |      |                             |            |             |             |
| 3.00          | 75       |                 |          |            |            |          |      |                             |            |             |             |
| 4.00          | 67       |                 |          |            |            |          |      |                             |            |             |             |
| 5.45          | 56       |                 |          |            |            |          |      |                             |            |             |             |

1. Hand pitted to 1.00m bgl.
2. No groundwater encountered.
3. Hole terminated at target depth of 5.45m bgl
4. Response zone of install between 1.00m and 5.00m bgl.



[illegible]

1. Hand pitted to 1.00m bgl.
2. No groundwater encountered.
3. Hole terminated at target depth of 5.45m bgl
4. No installation was performed and hole was backfilled with arisings.





| Well                                                                               | Water Strikes | Sample and In Situ Testing |                    |                   | Depth (m)    | Level (m)                                                                           | Legend                                                                              | Stratum Description                                                                                                                                                                                                                                                          |   |
|------------------------------------------------------------------------------------|---------------|----------------------------|--------------------|-------------------|--------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
|                                                                                    |               | Depth (m)                  | Type               | Results           |              |                                                                                     |                                                                                     |                                                                                                                                                                                                                                                                              |   |
|  |               | 0.25                       | ES                 |                   | 0.20<br>0.35 | 73.24<br>73.09                                                                      |    | Dark blue bituminous surfacing.                                                                                                                                                                                                                                              |   |
|                                                                                    |               |                            |                    |                   |              |                                                                                     |    | MADE GROUND: Brownish yellow slightly clayey very gravelly SAND. Sand is fine to coarse grained. Gravel is very angular to sub-rounded, fine to coarse grained. Gravel consists of Type 1 and flint.                                                                         |   |
|                                                                                    |               | 0.70                       | ES                 |                   |              |                                                                                     |    | MADE GROUND: Brown slightly sandy gravelly CLAY with inclusions of plastic. Sand is fine to coarse grained. Gravel is very angular to sub-angular, fine to coarse grained. Gravel consists of Plastic, Type 1, bitumen, brick, rubber, nails, claystone, concrete and flint. |   |
|                                                                                    |               | 1.00                       | SPT                | N=6 (1,0/1,1,2,2) |              |                                                                                     |    |                                                                                                                                                                                                                                                                              | 1 |
|                                                                                    |               | 1.20                       | D                  |                   |              |                                                                                     |    |                                                                                                                                                                                                                                                                              |   |
|                                                                                    |               | 1.20                       | PP                 | 107.00            |              |                                                                                     |    |                                                                                                                                                                                                                                                                              |   |
|                                                                                    |               | 1.20                       | PID                | PID=0.00          |              |                                                                                     |    |                                                                                                                                                                                                                                                                              |   |
|                                                                                    |               | 1.50                       | PP                 | 130.00            |              |                                                                                     |    |                                                                                                                                                                                                                                                                              |   |
|                                                                                    |               |                            |                    |                   |              |                                                                                     |    |                                                                                                                                                                                                                                                                              |   |
|                                                                                    |               |                            |                    |                   |              |                                                                                     |    |                                                                                                                                                                                                                                                                              |   |
|                                                                                    |               | 2.00                       | D                  |                   |              |                                                                                     |    |                                                                                                                                                                                                                                                                              | 2 |
|                                                                                    |               | 2.00                       | PP                 | 124.00            |              |                                                                                     |    |                                                                                                                                                                                                                                                                              |   |
|                                                                                    |               | 2.00                       | SPT                | N=6 (1,1/1,2,1,2) | 2.20         | 71.24                                                                               |   |                                                                                                                                                                                                                                                                              |   |
|                                                                                    |               | 2.00                       | PID                | PID=0.00          |              |                                                                                     |  |                                                                                                                                                                                                                                                                              |   |
|                                                                                    |               | 2.50                       | ES                 |                   |              |                                                                                     |  | Stiff brown slightly sandy slightly gravelly CLAY. Sand is fine to coarse grained. Gravel is sub-angular to rounded, fine grained. Gravel consists of claystone and flint. [LONDON CLAY FORMATION].                                                                          |   |
|                                                                                    |               | 2.50                       | PP                 | 199.00            |              |                                                                                     |  |                                                                                                                                                                                                                                                                              |   |
|                                                                                    |               |                            |                    |                   |              |                                                                                     |  |                                                                                                                                                                                                                                                                              |   |
|                                                                                    |               | 3.00                       | D                  |                   |              |                                                                                     |  |                                                                                                                                                                                                                                                                              | 3 |
|                                                                                    |               | 3.00                       | PP                 | 215.00            |              |                                                                                     |  |                                                                                                                                                                                                                                                                              |   |
|                                                                                    |               | 3.00                       | SPT                | N=9 (1,1/2,2,2,3) |              |                                                                                     |  |                                                                                                                                                                                                                                                                              |   |
|                                                                                    |               | 3.00                       | PID                | PID=0.00          |              |                                                                                     |  |                                                                                                                                                                                                                                                                              |   |
|                                                                                    |               | 3.50                       | PP                 | 202.00            |              |                                                                                     |  |                                                                                                                                                                                                                                                                              |   |
|                                                                                    |               |                            |                    |                   | 3.75         | 69.69                                                                               |  | Stiff becoming very stiff brown very silty slightly sandy slightly gravelly CLAY. Sand is fine to coarse grained. Gravel is sub-rounded to rounded, fine grained. Gravel consists of flint. [LONDON CLAY FORMATION].                                                         | 4 |
|                                                                                    |               | 4.00                       | D                  |                   |              |                                                                                     |  |                                                                                                                                                                                                                                                                              |   |
|                                                                                    | 4.00          | PP                         | 294.00             |                   |              |  |                                                                                     |                                                                                                                                                                                                                                                                              |   |
|                                                                                    | 4.00          | SPT                        | N=12 (1,2/2,3,3,4) |                   |              |  |                                                                                     |                                                                                                                                                                                                                                                                              |   |
|                                                                                    | 4.00          | PID                        | PID=0.00           |                   |              |  |                                                                                     |                                                                                                                                                                                                                                                                              |   |
|                                                                                    | 4.50          | PP                         | 304.00             |                   |              |  |                                                                                     |                                                                                                                                                                                                                                                                              |   |
|                                                                                    |               |                            |                    |                   |              |  |                                                                                     |                                                                                                                                                                                                                                                                              |   |
|                                                                                    | 5.00          | D                          |                    |                   |              |  | Becoming very stiff                                                                 | 5                                                                                                                                                                                                                                                                            |   |
|                                                                                    | 5.00          | PP                         | 317.00             |                   |              |  |                                                                                     |                                                                                                                                                                                                                                                                              |   |
|                                                                                    | 5.00          | SPT                        | N=18 (2,3/4,4,5,5) |                   |              |  |                                                                                     |                                                                                                                                                                                                                                                                              |   |
|                                                                                    | 5.00          | PID                        | PID=0.00           |                   |              |  |                                                                                     |                                                                                                                                                                                                                                                                              |   |
|                                                                                    |               |                            |                    | 5.45              | 67.99        |  | End of Borehole at 5.450m                                                           | 6                                                                                                                                                                                                                                                                            |   |

| Hole Diameter |          | Casing Diameter |          | Chiselling |            |          |      | Inclination and Orientation |            |             |             |
|---------------|----------|-----------------|----------|------------|------------|----------|------|-----------------------------|------------|-------------|-------------|
| Depth Base    | Diameter | Depth Base      | Diameter | Depth Top  | Depth Base | Duration | Tool | Depth Top                   | Depth Base | Inclination | Orientation |
| 1.00          | 102      |                 |          |            |            |          |      |                             |            |             |             |
| 2.00          | 87       |                 |          |            |            |          |      |                             |            |             |             |
| 3.00          | 75       |                 |          |            |            |          |      |                             |            |             |             |
| 4.00          | 67       |                 |          |            |            |          |      |                             |            |             |             |
| 5.45          | 56       |                 |          |            |            |          |      |                             |            |             |             |

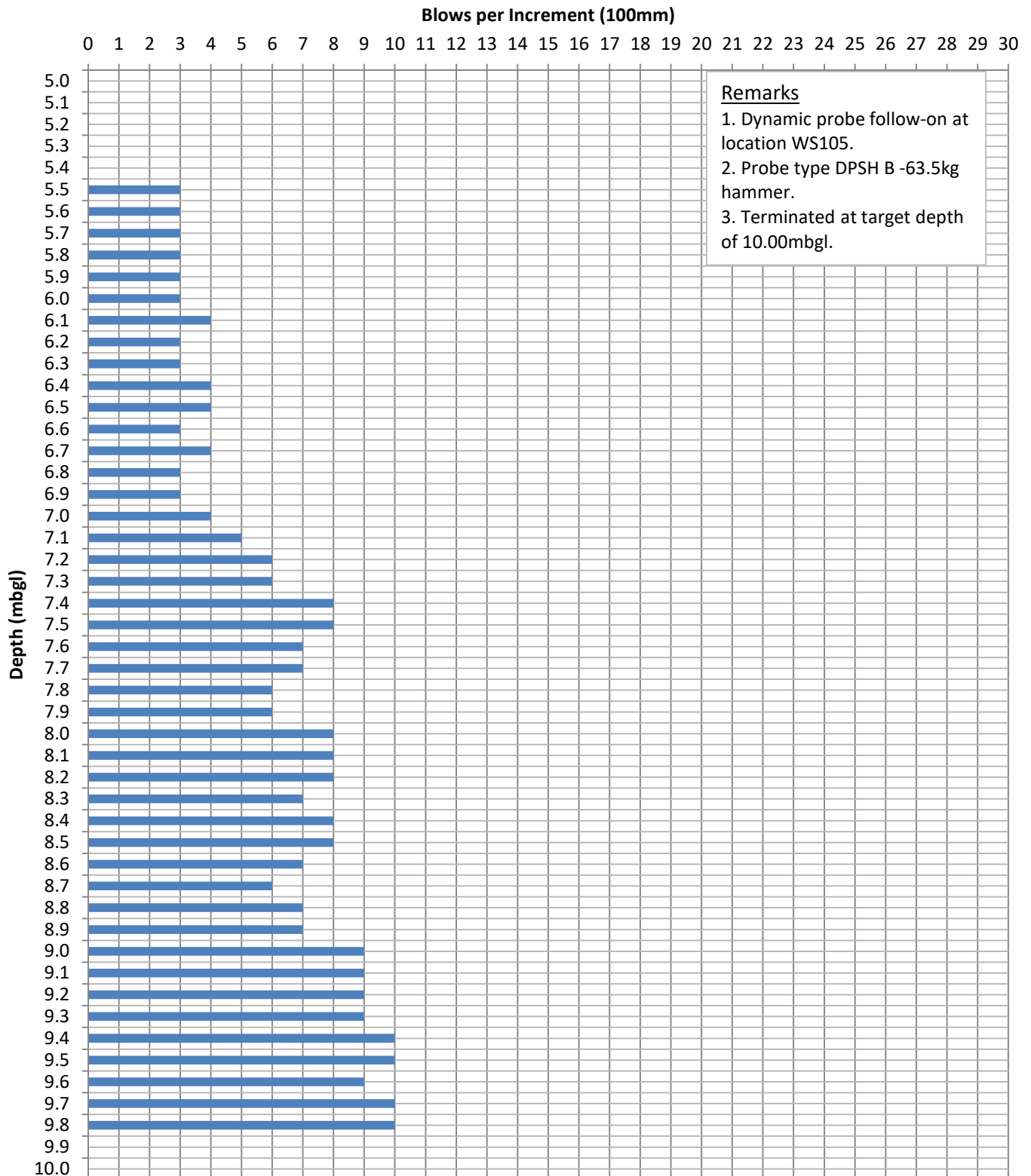
1. Hand pitted to 1.00m bgl.
2. No groundwater encountered.
3. Hole terminated at target depth of 5.45m bgl
4. Response zone of install between 1.00m and 2.50m bgl.
5. Follow-on dynamic probing conducted to 10.00m bgl.



## Dynamic Probe Blows per Increment vs Depth - WS105

|        |                         |            |                  |
|--------|-------------------------|------------|------------------|
| Client | Wrenbridge Land Limited | Job No.    | 610344.0000.0000 |
| Site   | Shinfield Park, Reading | Date Drawn | 11/07/2024       |

### Follow-on Dynamic Probe - WS105



TRC Companies Limited  
20 Red Lion Street  
London WC1R 4PS

|        |       |
|--------|-------|
| Status | FINAL |
| Fig:   | WS105 |
| Rev.   | A     |



# Windowless Sample Log

|                                            |                 |                                            |                         |                                    |                             |
|--------------------------------------------|-----------------|--------------------------------------------|-------------------------|------------------------------------|-----------------------------|
| Project Name: Shinfield Park, Reading      |                 | Client: Wrenbridge LLP                     |                         | Date: 21/06/2024                   |                             |
| Location: Shinfield Park, Reading, RG2 9FW |                 | Contractor: Oakland Site Investigation Ltd |                         | Co-ords: E472770.54 N169006.92     |                             |
| Project No. : 610344.0000.0000             |                 | Crew Name: Oakland Site Investigation Ltd  |                         | Drilling Equipment: Premier 110 RP |                             |
| Borehole Number<br>WS106                   | Hole Type<br>WS | Level                                      | Logged By<br>Tim Singer | Scale<br>1:30                      | Page Number<br>Sheet 1 of 1 |

| Well | Water Strikes | Sample and In Situ Testing |      |                    | Depth (m) | Level (m) | Legend | Stratum Description                                           |   |
|------|---------------|----------------------------|------|--------------------|-----------|-----------|--------|---------------------------------------------------------------|---|
|      |               | Depth (m)                  | Type | Results            |           |           |        |                                                               |   |
|      |               |                            |      |                    | 0.35      |           |        | Light grey concrete.                                          |   |
|      |               | 0.50                       | ES   |                    |           |           |        | Firm brown slightly sandy silty CLAY. [LONDON CLAY FORMATION] |   |
|      |               | 1.00                       | SPT  | N=8 (1,1/2,2,2,2)  |           |           |        |                                                               | 1 |
|      |               | 1.00                       | PID  | PID=0.00           |           |           |        |                                                               |   |
|      |               | 1.20                       | B    |                    |           |           |        |                                                               |   |
|      |               | 1.20                       | D    |                    |           |           |        |                                                               |   |
|      |               | 1.25                       | PP   | 326.00             |           |           |        |                                                               |   |
|      |               | 1.50                       | PP   | 405.00             |           |           |        |                                                               |   |
|      |               | 1.75                       | PP   | 320.00             |           |           |        |                                                               |   |
|      |               | 2.00                       | D    |                    |           |           |        |                                                               | 2 |
|      |               | 2.00                       | PP   | 395.00             |           |           |        | Becoming stiff                                                |   |
|      |               | 2.00                       | SPT  | N=14 (2,2/3,3,4,4) |           |           |        |                                                               |   |
|      |               | 2.00                       | PID  | PID=0.00           |           |           |        |                                                               |   |
|      |               | 2.20                       | ES   |                    |           |           |        |                                                               |   |
|      |               | 2.25                       | PP   | 424.00             |           |           |        |                                                               |   |
|      |               | 2.50                       | PP   | 424.00             |           |           |        |                                                               |   |
|      |               | 2.75                       | PP   | 415.00             |           |           |        |                                                               |   |
|      |               | 3.00                       | D    |                    |           |           |        | Crystals present                                              | 3 |
|      |               | 3.00                       | PP   | 428.00             |           |           |        | Low recovery from 3.00 to 4.00m bgl.                          |   |
|      |               | 3.00                       | SPT  | N=17 (2,3/3,4,5,5) |           |           |        | Becoming very stiff                                           |   |
|      |               | 3.00                       | PID  | PID=0.00           |           |           |        |                                                               |   |
|      |               | 4.00                       | D    |                    |           |           |        |                                                               | 4 |
|      |               | 4.00                       | SPT  | N=17 (2,3/3,4,5,5) |           |           |        |                                                               |   |
|      |               | 4.00                       | PID  | PID=0.00           |           |           |        |                                                               |   |
|      |               | 4.25                       | B    |                    |           |           |        |                                                               |   |
|      |               | 4.25                       | PP   | 395.00             |           |           |        |                                                               |   |
|      |               | 4.75                       | PP   | 408.00             |           |           |        |                                                               |   |
|      |               | 5.00                       | D    |                    |           |           |        |                                                               | 5 |
|      |               | 5.00                       | SPT  | N=21 (2,3/4,5,6,6) |           |           |        |                                                               |   |
|      |               | 5.00                       | PID  | PID=0.00           |           |           |        |                                                               |   |
|      |               |                            |      |                    | 5.45      |           |        | End of Borehole at 5.450m                                     | 6 |

| Hole Diameter |          | Casing Diameter |          | Chiselling |            |          |      | Inclination and Orientation |            |             |             |
|---------------|----------|-----------------|----------|------------|------------|----------|------|-----------------------------|------------|-------------|-------------|
| Depth Base    | Diameter | Depth Base      | Diameter | Depth Top  | Depth Base | Duration | Tool | Depth Top                   | Depth Base | Inclination | Orientation |
| 1.00          | 102      |                 |          |            |            |          |      |                             |            |             |             |
| 2.00          | 87       |                 |          |            |            |          |      |                             |            |             |             |
| 3.00          | 75       |                 |          |            |            |          |      |                             |            |             |             |
| 4.00          | 67       |                 |          |            |            |          |      |                             |            |             |             |
| 5.45          | 56       |                 |          |            |            |          |      |                             |            |             |             |

## Remarks

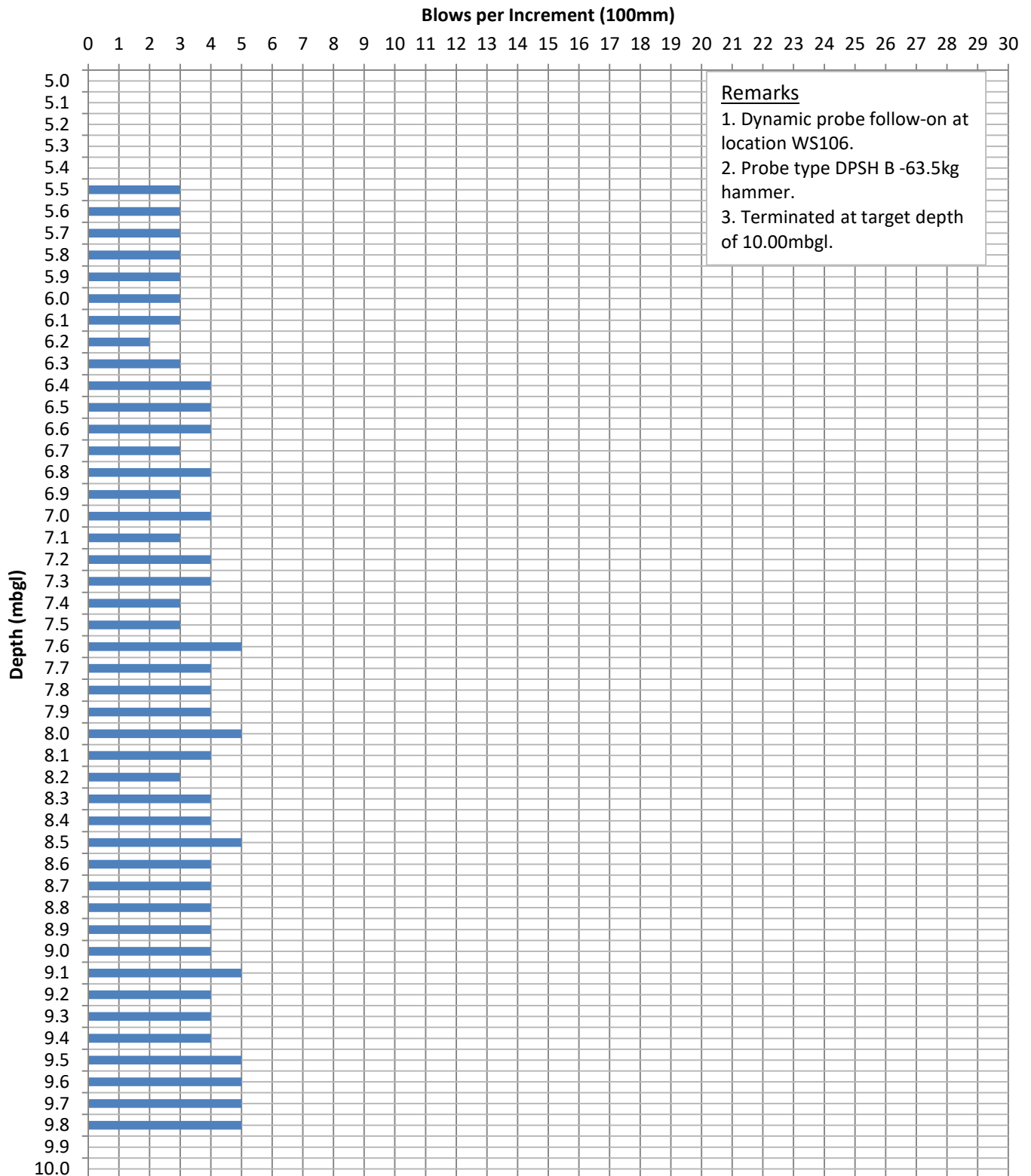
1. Hand pitted to 1.0bgl.
2. No groundwater encountered.
3. Hole terminated at target depth of 5.45m bgl
4. No installation was performed and hole was backfilled with arisings.
5. Follow-on dynamic probing conducted to 10.00m bgl.
6. Located inside of the office building and therefore ground level unable to be confirmed.



# Dynamic Probe Blows per Increment vs Depth - WS106

|        |                         |            |                  |
|--------|-------------------------|------------|------------------|
| Client | Wrenbridge Land Limited | Job No.    | 610344.0000.0000 |
| Site   | Shinfield Park, Reading | Date Drawn | 11/07/2024       |

## Follow-on Dynamic Probe - WS106



### Remarks

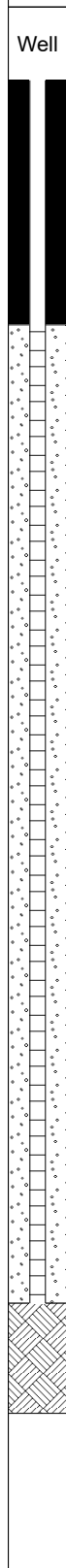
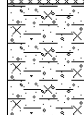
1. Dynamic probe follow-on at location WS106.
2. Probe type DPSH B -63.5kg hammer.
3. Terminated at target depth of 10.00mbgl.



TRC Companies Limited  
20 Red Lion Street  
London WC1R 4PS

|        |       |
|--------|-------|
| Status | FINAL |
| Fig:   | WS106 |
| Rev.   | A     |



| Well                                                                               | Water Strikes | Sample and In Situ Testing |                    |                    | Depth (m) | Level (m) | Legend                                                                            | Stratum Description                                                                                                                                                                                                     |   |
|------------------------------------------------------------------------------------|---------------|----------------------------|--------------------|--------------------|-----------|-----------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
|                                                                                    |               | Depth (m)                  | Type               | Results            |           |           |                                                                                   |                                                                                                                                                                                                                         |   |
|  |               |                            |                    |                    | 0.10      | 71.69     |  | MADE GROUND: Grass covered topsoil.                                                                                                                                                                                     |   |
|                                                                                    |               | 0.30                       | ES                 |                    |           |           |  | Firm brownish orange slightly silty slightly sandy slightly gravelly CLAY. Sand is fine to coarse grained. Gravel is sub-angular to rounded, fine to medium grained. Gravel consists of flint. [LONDON CLAY FORMATION]. | - |
|                                                                                    |               | 0.50                       | PP                 | 343.00             |           |           |                                                                                   |                                                                                                                                                                                                                         |   |
|                                                                                    |               | 1.00                       | PP                 | 245.00             |           |           |                                                                                   |                                                                                                                                                                                                                         | 1 |
|                                                                                    |               | 1.00                       | SPT                | N=8 (1,1/2,2,2,2)  |           |           |                                                                                   |                                                                                                                                                                                                                         |   |
|                                                                                    |               | 1.20                       | D                  |                    |           |           |                                                                                   |                                                                                                                                                                                                                         |   |
|                                                                                    |               | 1.20                       | ES                 |                    |           |           |                                                                                   |                                                                                                                                                                                                                         |   |
|                                                                                    |               | 1.20                       | PID                | PID=0.00           |           |           |                                                                                   |                                                                                                                                                                                                                         |   |
|                                                                                    |               | 1.50                       | PP                 | 186.00             |           |           |                                                                                   |                                                                                                                                                                                                                         | - |
|                                                                                    |               | 2.00                       | D                  |                    |           |           |                                                                                   |                                                                                                                                                                                                                         |   |
|                                                                                    |               | 2.00                       | PP                 | 228.00             |           |           |                                                                                   | Becoming stiff                                                                                                                                                                                                          | 2 |
|                                                                                    |               | 2.00                       | SPT                | N=10 (2,2/2,2,3,3) |           |           |                                                                                   |                                                                                                                                                                                                                         |   |
|                                                                                    |               | 2.00                       | PID                | PID=0.00           |           |           |                                                                                   |                                                                                                                                                                                                                         |   |
|                                                                                    |               | 2.50                       | PP                 | 304.00             |           |           |                                                                                   |                                                                                                                                                                                                                         | - |
|                                                                                    |               | 3.00                       | D                  |                    |           |           |                                                                                   |                                                                                                                                                                                                                         |   |
|                                                                                    |               | 3.00                       | PP                 | 228.00             |           |           |                                                                                   | Becoming very stiff                                                                                                                                                                                                     | 3 |
|                                                                                    |               | 3.00                       | SPT                | N=18 (2,3/4,4,5,5) |           |           |                                                                                   |                                                                                                                                                                                                                         |   |
|                                                                                    |               | 3.00                       | PID                | PID=0.00           |           |           |                                                                                   |                                                                                                                                                                                                                         |   |
|                                                                                    |               | 3.25                       | PP                 | 353.00             |           |           |                                                                                   |                                                                                                                                                                                                                         | - |
|                                                                                    |               | 3.50                       | PP                 | 310.00             |           |           |                                                                                   |                                                                                                                                                                                                                         | - |
|                                                                                    |               | 3.75                       | PP                 | 317.00             |           |           |                                                                                   |                                                                                                                                                                                                                         | - |
|                                                                                    |               | 4.00                       | D                  |                    |           | 4.00      | 67.79                                                                             |                                                                                                                                                                                                                         |   |
|                                                                                    |               | 4.00                       | PP                 | 235.00             |           |           |                                                                                   |                                                                                                                                                                                                                         | 4 |
|                                                                                    |               | 4.00                       | SPT                | N=18 (2,3/4,4,5,5) |           |           |                                                                                   |                                                                                                                                                                                                                         |   |
|                                                                                    |               | 4.00                       | PID                | PID=0.00           |           |           |                                                                                   |                                                                                                                                                                                                                         |   |
|                                                                                    |               | 4.25                       | PP                 | 483.00             |           |           |                                                                                   |                                                                                                                                                                                                                         | - |
|                                                                                    | 4.50          | PP                         | 490.00             |                    |           |           |                                                                                   | -                                                                                                                                                                                                                       |   |
|                                                                                    | 4.75          | PP                         | 490.00             |                    |           |           |                                                                                   | -                                                                                                                                                                                                                       |   |
|                                                                                    | 5.00          | D                          |                    |                    |           |           |                                                                                   | 5                                                                                                                                                                                                                       |   |
|                                                                                    | 5.00          | PP                         | 490.00             |                    |           |           |                                                                                   |                                                                                                                                                                                                                         |   |
|                                                                                    | 5.00          | SPT                        | N=22 (3,5/5,5,6,6) |                    |           |           |                                                                                   |                                                                                                                                                                                                                         |   |
|                                                                                    | 5.00          | PID                        | PID=0.00           |                    |           |           |                                                                                   |                                                                                                                                                                                                                         |   |
|                                                                                    |               |                            |                    |                    | 5.45      | 66.34     |                                                                                   | End of Borehole at 5.450m                                                                                                                                                                                               | - |
|                                                                                    |               |                            |                    |                    |           |           |                                                                                   |                                                                                                                                                                                                                         | 6 |

[illegible]

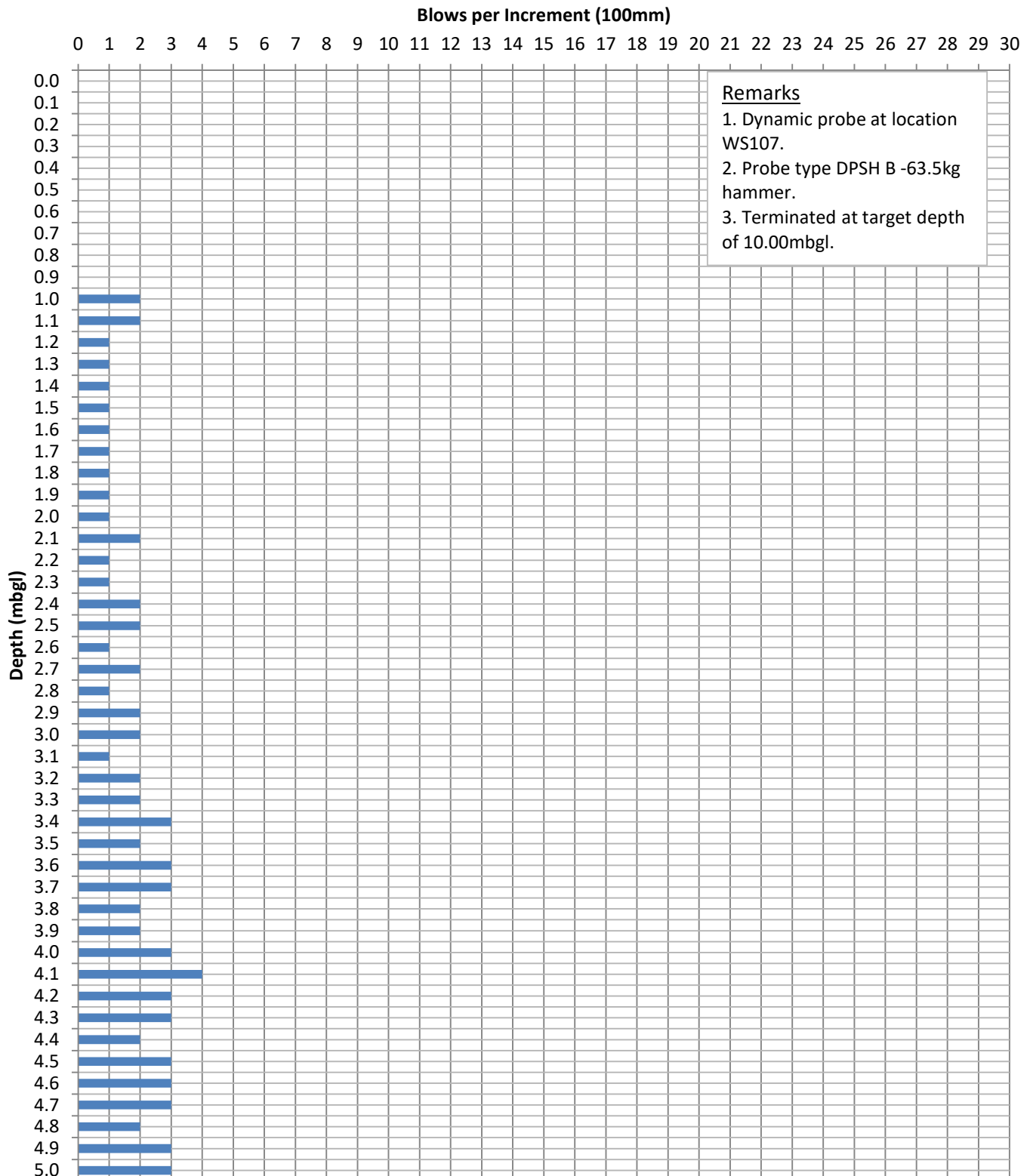
1. Hand pitted to 1.00m bgl.
2. No groundwater encountered.
3. Hole terminated at target depth of 5.45m bgl
4. Response zone of install between 1.00m and 5.00m bgl.
5. Follow-on dynamic probing conducted to 10.00m bgl



# Dynamic Probe Blows per Increment vs Depth - WS107

|        |                         |            |                  |
|--------|-------------------------|------------|------------------|
| Client | Wrenbridge Land Limited | Job No.    | 610344.0000.0000 |
| Site   | Shinfield Park, Reading | Date Drawn | 11/07/2024       |

## Dynamic Probe - WS107



### Remarks

1. Dynamic probe at location WS107.
2. Probe type DPSH B -63.5kg hammer.
3. Terminated at target depth of 10.00mbgl.



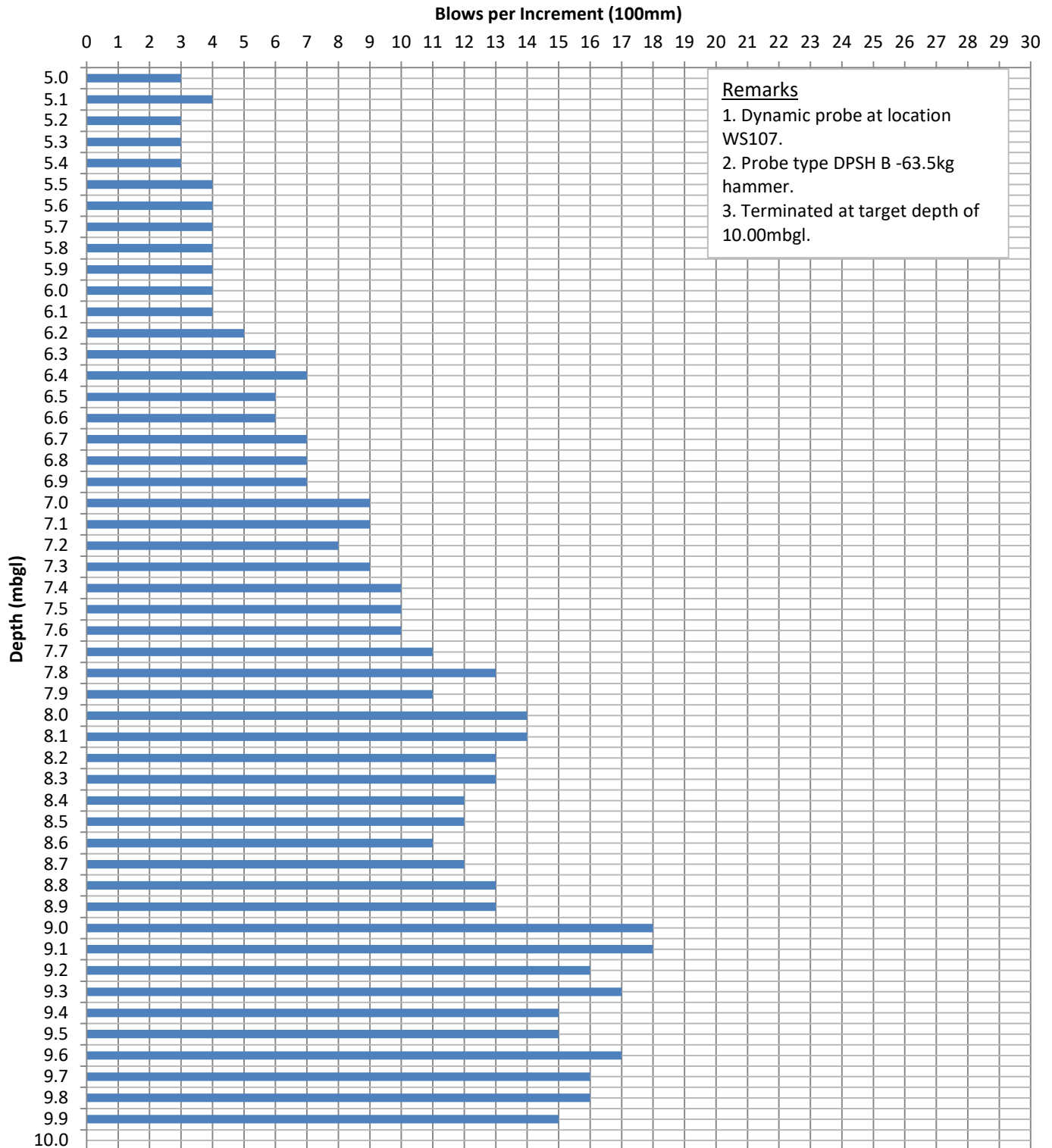
TRC Companies Limited  
20 Red Lion Street  
London WC1R 4PS

|        |         |
|--------|---------|
| Status | FINAL   |
| Fig:   | WS107-1 |
| Rev.   | A       |

## Dynamic Probe Blows per Increment vs Depth - WS107

|        |                         |            |                  |
|--------|-------------------------|------------|------------------|
| Client | Wrenbridge Land Limited | Job No.    | 610344.0000.0000 |
| Site   | Shinfield Park, Reading | Date Drawn | 26/07/2024       |

### Dynamic Probe - WS107



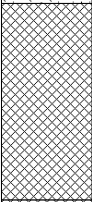
TRC Companies Limited  
20 Red Lion Street  
London WC1R 4PS

|        |         |
|--------|---------|
| Status | FINAL   |
| Fig:   | WS107-2 |
| Rev.   | A       |



# Windowless Sample Log

|                                            |                 |                                            |                         |                                    |                             |
|--------------------------------------------|-----------------|--------------------------------------------|-------------------------|------------------------------------|-----------------------------|
| Project Name: Shinfield Park, Reading      |                 | Client: Wrenbridge LLP                     |                         | Date: 21/06/2024                   |                             |
| Location: Shinfield Park, Reading, RG2 9FW |                 | Contractor: Oakland Site Investigation Ltd |                         | Co-ords: E472875.64 N169067.59     |                             |
| Project No. : 610344.0000.0000             |                 | Crew Name: Oakland Site Investigation Ltd  |                         | Drilling Equipment: Premier 110 RP |                             |
| Borehole Number<br>WS108                   | Hole Type<br>WS | Level                                      | Logged By<br>Tim Singer | Scale<br>1:30                      | Page Number<br>Sheet 1 of 1 |

| Well                                                                              | Water Strikes | Sample and In Situ Testing           |                           |                                | Depth (m)    | Level (m) | Legend                                                                            | Stratum Description                                                                                                                                                                               |   |
|-----------------------------------------------------------------------------------|---------------|--------------------------------------|---------------------------|--------------------------------|--------------|-----------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
|                                                                                   |               | Depth (m)                            | Type                      | Results                        |              |           |                                                                                   |                                                                                                                                                                                                   |   |
|  |               |                                      |                           |                                | 0.32         |           |  | Light grey concrete.                                                                                                                                                                              | 1 |
|                                                                                   |               | 0.40<br>0.50                         | ES<br>ES                  |                                |              |           |  | MADE GROUND: Grey slightly gravelly CLAY.<br>Gravel is very angular to sub-angular, fine to medium grained and consists of brick. Low cobble content of flint and brick at immediate top of unit. |   |
|                                                                                   |               | 1.15<br>1.20<br>1.20<br>1.20<br>1.20 | PP<br>B<br>D<br>ES<br>PID | 304.00<br><br><br><br>PID=0.00 | 1.10<br>1.20 |           |  | MADE GROUND: Grey CLAY.                                                                                                                                                                           |   |
|                                                                                   |               |                                      |                           |                                |              |           |                                                                                   | End of Borehole at 1.200m                                                                                                                                                                         | 2 |
|                                                                                   |               |                                      |                           |                                |              |           |                                                                                   |                                                                                                                                                                                                   |   |
|                                                                                   |               |                                      |                           |                                |              |           |                                                                                   |                                                                                                                                                                                                   | 3 |
|                                                                                   |               |                                      |                           |                                |              |           |                                                                                   |                                                                                                                                                                                                   | 4 |
|                                                                                   |               |                                      |                           |                                |              |           |                                                                                   |                                                                                                                                                                                                   | 5 |
|                                                                                   |               |                                      |                           |                                |              |           |                                                                                   |                                                                                                                                                                                                   | 6 |

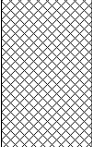
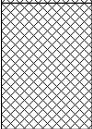
| Hole Diameter |          | Casing Diameter |          | Chiselling |            |          |      | Inclination and Orientation |            |             |             |
|---------------|----------|-----------------|----------|------------|------------|----------|------|-----------------------------|------------|-------------|-------------|
| Depth Base    | Diameter | Depth Base      | Diameter | Depth Top  | Depth Base | Duration | Tool | Depth Top                   | Depth Base | Inclination | Orientation |
| 1.20          | 102      |                 |          |            |            |          |      |                             |            |             |             |

|                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                                       |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|---------------------------------------------------------------------------------------|--|
| <b>Remarks</b><br>1. Hand pitted to 1.00m bgl.<br>2. No groundwater encountered.<br>3. Hole terminated above target depth at 1.20m bgl due encountering concrete obstruction.<br>4. No installation was performed and hole was backfilled with arisings.<br>5. Located inside of the office building and therefore ground level unable to be confirmed. |  |  |  |  |  |  |  |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|---------------------------------------------------------------------------------------|--|



# Windowless Sample Log

|                                            |                 |                                            |                         |                                    |                             |
|--------------------------------------------|-----------------|--------------------------------------------|-------------------------|------------------------------------|-----------------------------|
| Project Name: Shinfield Park, Reading      |                 | Client: Wrenbridge LLP                     |                         | Date: 19/06/2024                   |                             |
| Location: Shinfield Park, Reading, RG2 9FW |                 | Contractor: Oakland Site Investigation Ltd |                         | Co-ords: E472848.04 N169140.78     |                             |
| Project No. : 610344.0000.0000             |                 | Crew Name: Oakland Site Investigation Ltd  |                         | Drilling Equipment: Premier 110 RP |                             |
| Borehole Number<br>WS109                   | Hole Type<br>WS | Level<br>77.27m AoD                        | Logged By<br>Tim Singer | Scale<br>1:30                      | Page Number<br>Sheet 1 of 1 |

| Well                                                                              | Water Strikes | Sample and In Situ Testing |      |                       | Depth (m) | Level (m) | Legend                                                                            | Stratum Description                                                                                                                                                   |   |
|-----------------------------------------------------------------------------------|---------------|----------------------------|------|-----------------------|-----------|-----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
|                                                                                   |               | Depth (m)                  | Type | Results               |           |           |                                                                                   |                                                                                                                                                                       |   |
|  |               | 0.10                       |      |                       | 0.10      | 77.17     |  | MADE GROUND: Grass covered Topsoil.                                                                                                                                   | 1 |
|                                                                                   |               | 0.30                       | ES   |                       |           |           |  | MADE GROUND: Brown clayey sandy GRAVEL. Sand is fine to coarse grained. Gravel is angular to rounded, fine to coarse grained. Gravel consists of flint.               |   |
|                                                                                   |               | 0.50                       | B    |                       |           |           |                                                                                   |                                                                                                                                                                       |   |
|                                                                                   |               | 0.50                       | PID  | PID=0.00              |           |           |                                                                                   |                                                                                                                                                                       |   |
|                                                                                   |               |                            |      |                       | 0.70      | 76.57     |  | MADE GROUND: Grey gravelly sandy silty CLAY. Sand is fine to coarse grained. Gravel is very angular to sub-angular, fine to medium grained. Gravel consists of flint. |   |
|                                                                                   |               | 1.00                       | SPT  | 50 (2,3/50 for 225mm) |           |           |                                                                                   | <u>Concrete slab at base.</u>                                                                                                                                         | 2 |
|                                                                                   |               | 1.10                       | B    |                       | 1.20      | 76.07     |                                                                                   | End of Borehole at 1.200m                                                                                                                                             |   |
|                                                                                   |               | 1.10                       | ES   |                       |           |           |                                                                                   |                                                                                                                                                                       |   |
|                                                                                   |               | 1.10                       | PID  | PID=0.00              |           |           |                                                                                   |                                                                                                                                                                       | 3 |
|                                                                                   |               |                            |      |                       |           |           |                                                                                   |                                                                                                                                                                       | 4 |
|                                                                                   |               |                            |      |                       |           |           |                                                                                   |                                                                                                                                                                       | 5 |
|                                                                                   |               |                            |      |                       |           |           |                                                                                   |                                                                                                                                                                       | 6 |

| Hole Diameter |          | Casing Diameter |          | Chiselling |            |          |      | Inclination and Orientation |            |             |             |
|---------------|----------|-----------------|----------|------------|------------|----------|------|-----------------------------|------------|-------------|-------------|
| Depth Base    | Diameter | Depth Base      | Diameter | Depth Top  | Depth Base | Duration | Tool | Depth Top                   | Depth Base | Inclination | Orientation |
| 1.10          | 102      |                 |          |            |            |          |      |                             |            |             |             |

|                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |                                                                                       |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|---------------------------------------------------------------------------------------|--|
| <b>Remarks</b><br>1. Hand pitted to 1.00m bgl.<br>2. No groundwater encountered.<br>3. Hole terminated above target depth at 1.20m bgl due encountering concrete obstruction.<br>4. No installation was performed and hole was backfilled with arisings. |  |  |  |  |  |  |  |  |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|---------------------------------------------------------------------------------------|--|



| Well                                                                              | Water Strikes | Sample and In Situ Testing |      |         | Depth (m)                    | Level (m) | Legend                                                                                                                                          | Stratum Description |  |
|-----------------------------------------------------------------------------------|---------------|----------------------------|------|---------|------------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--|
|                                                                                   |               | Depth (m)                  | Type | Results |                              |           |                                                                                                                                                 |                     |  |
|  |               |                            |      |         | 0.38<br>0.45<br>0.55<br>0.65 |           |  Light grey concrete.                                          | -                   |  |
|                                                                                   |               |                            |      |         |                              |           |  Concrete with tarmacadam fragments.                           |                     |  |
|                                                                                   |               |                            |      |         |                              |           |  Concrete with red layer of bricks, mortar and wood fragments. |                     |  |
|                                                                                   |               |                            |      |         |                              |           |  Concrete.                                                     |                     |  |
|                                                                                   |               |                            |      |         |                              |           | End of Borehole at 0.650m                                                                                                                       | 1 -                 |  |
|                                                                                   |               |                            |      |         |                              |           |                                                                                                                                                 | -                   |  |
|                                                                                   |               |                            |      |         |                              |           |                                                                                                                                                 | 2 -                 |  |
|                                                                                   |               |                            |      |         |                              |           |                                                                                                                                                 | -                   |  |
|                                                                                   |               |                            |      |         |                              |           |                                                                                                                                                 | 3 -                 |  |
|                                                                                   |               |                            |      |         |                              |           |                                                                                                                                                 | -                   |  |
|                                                                                   |               |                            |      |         |                              |           |                                                                                                                                                 | 4 -                 |  |
|                                                                                   |               |                            |      |         |                              |           |                                                                                                                                                 | -                   |  |
|                                                                                   |               |                            |      |         |                              |           |                                                                                                                                                 | 5 -                 |  |
|                                                                                   |               |                            |      |         |                              |           |                                                                                                                                                 | -                   |  |
|                                                                                   |               |                            |      |         |                              |           |                                                                                                                                                 | 6 -                 |  |

[illegible]

1. Hand pitted to 1.00m bgl.
2. No groundwater encountered.
3. Hole terminated above target depth at 0.65m bgl due to insufficient headspace and time constraints.
4. No installation was performed and hole was backfilled with arisings.
5. Located inside of the office building and therefore ground level unable to be confirmed.



[illegible]

| Hole Diameter |          | Casing Diameter |          | Chiselling |            |          |      | Inclination and Orientation |            |             |             |
|---------------|----------|-----------------|----------|------------|------------|----------|------|-----------------------------|------------|-------------|-------------|
| Depth Base    | Diameter | Depth Base      | Diameter | Depth Top  | Depth Base | Duration | Tool | Depth Top                   | Depth Base | Inclination | Orientation |
| 1.00          | 102      |                 |          |            |            |          |      |                             |            |             |             |
| 2.00          | 87       |                 |          |            |            |          |      |                             |            |             |             |
| 3.00          | 75       |                 |          |            |            |          |      |                             |            |             |             |
| 4.00          | 67       |                 |          |            |            |          |      |                             |            |             |             |
| 5.45          | 5        |                 |          |            |            |          |      |                             |            |             |             |

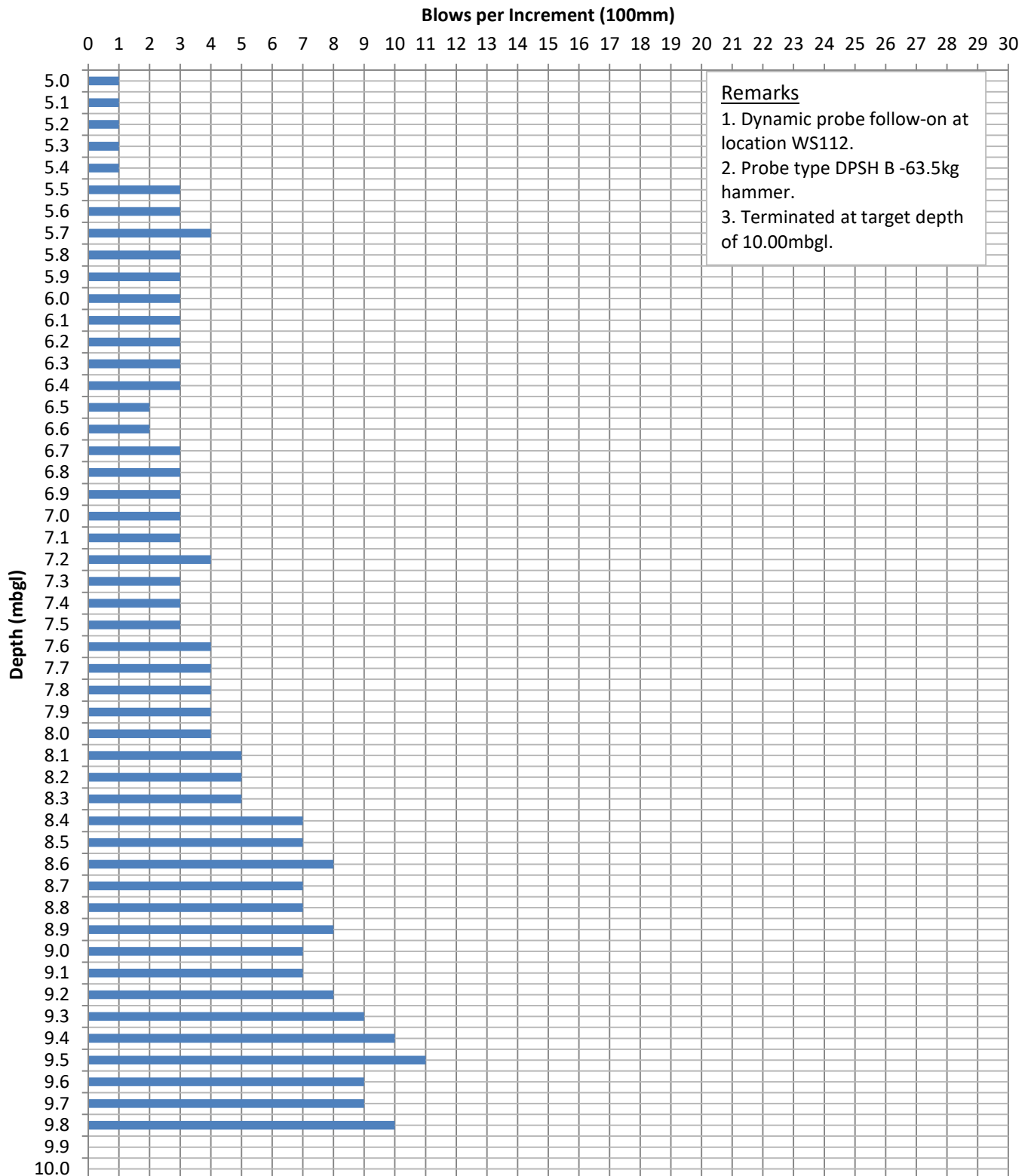
1. Hand pitted to 1.00m bgl.
2. No groundwater encountered.
3. Hole terminated at target depth of 5.45m bgl
4. No installation was performed and hole was backfilled with arisings.
5. Follow-on dynamic probing conducted to 10.00m bgl



## Dynamic Probe Blows per Increment vs Depth - WS112

|        |                         |            |                  |
|--------|-------------------------|------------|------------------|
| Client | Wrenbridge Land Limited | Job No.    | 610344.0000.0000 |
| Site   | Shinfield Park, Reading | Date Drawn | 11/07/2024       |

### Follow-on Dynamic Probe - WS112



TRC Companies Limited  
20 Red Lion Street  
London WC1R 4PS

|        |       |
|--------|-------|
| Status | FINAL |
| Fig:   | WS112 |
| Rev.   | A     |



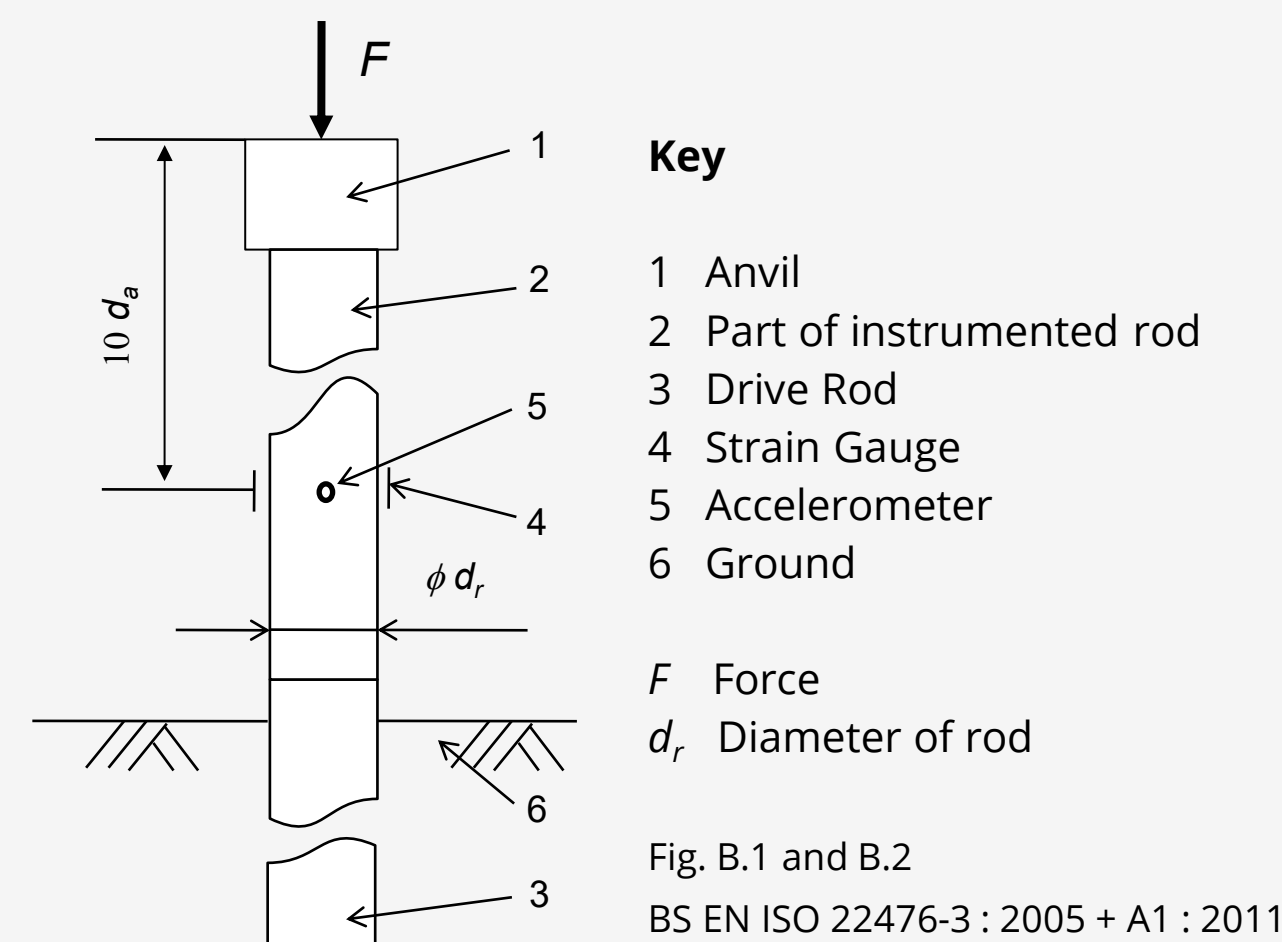
# SPT Calibration Report

## Hammer Energy Measurement Report

Type of Hammer SPT HAMMER  
Test No EQU2024\_58  
Client Oakland SI

Test Depth (m) 12.00  
Mass of hammer  $m = 63.5\text{kg}$   
Falling height  $h = 0.76\text{m}$   
 $E_{\text{theor}} = m \times g \times h = 473\text{J}$

### Characteristics of the instrumented rod

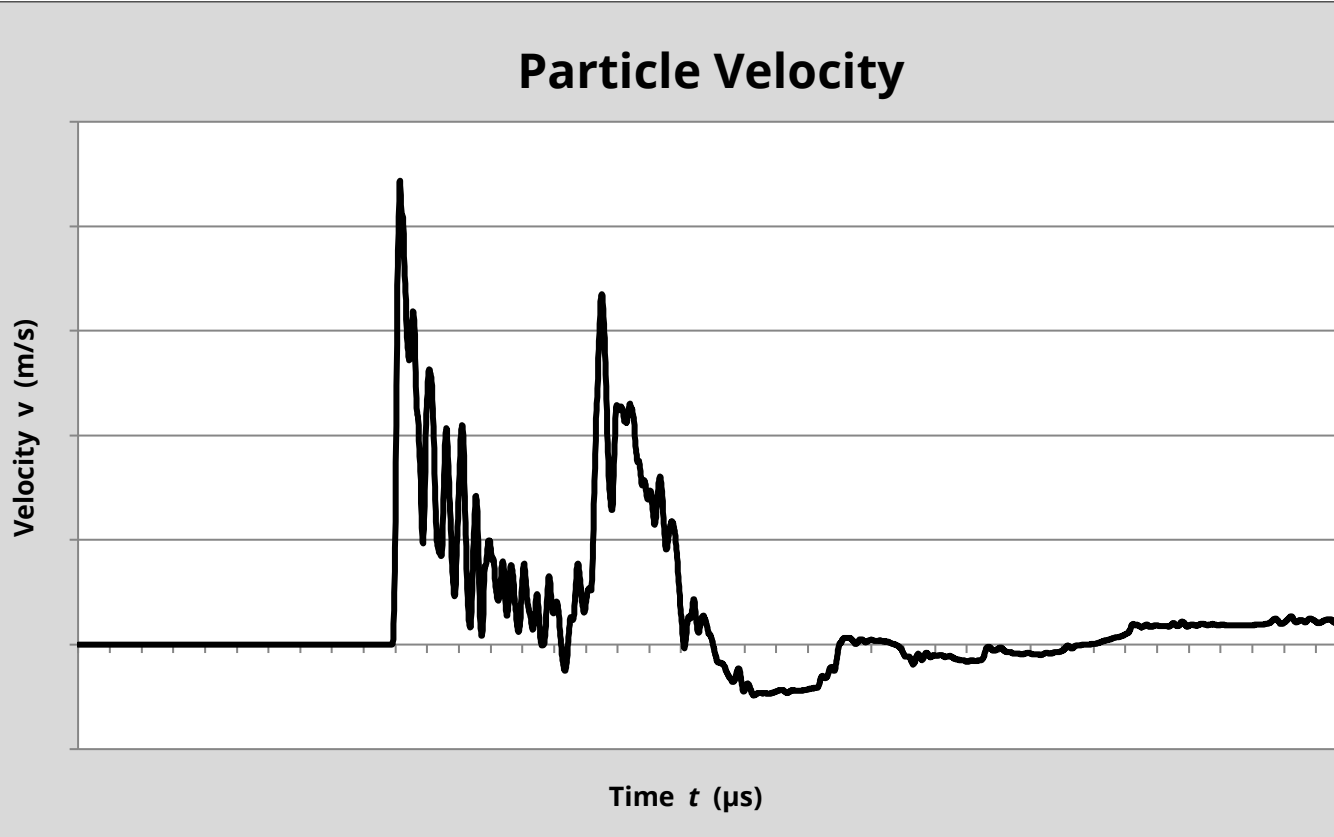
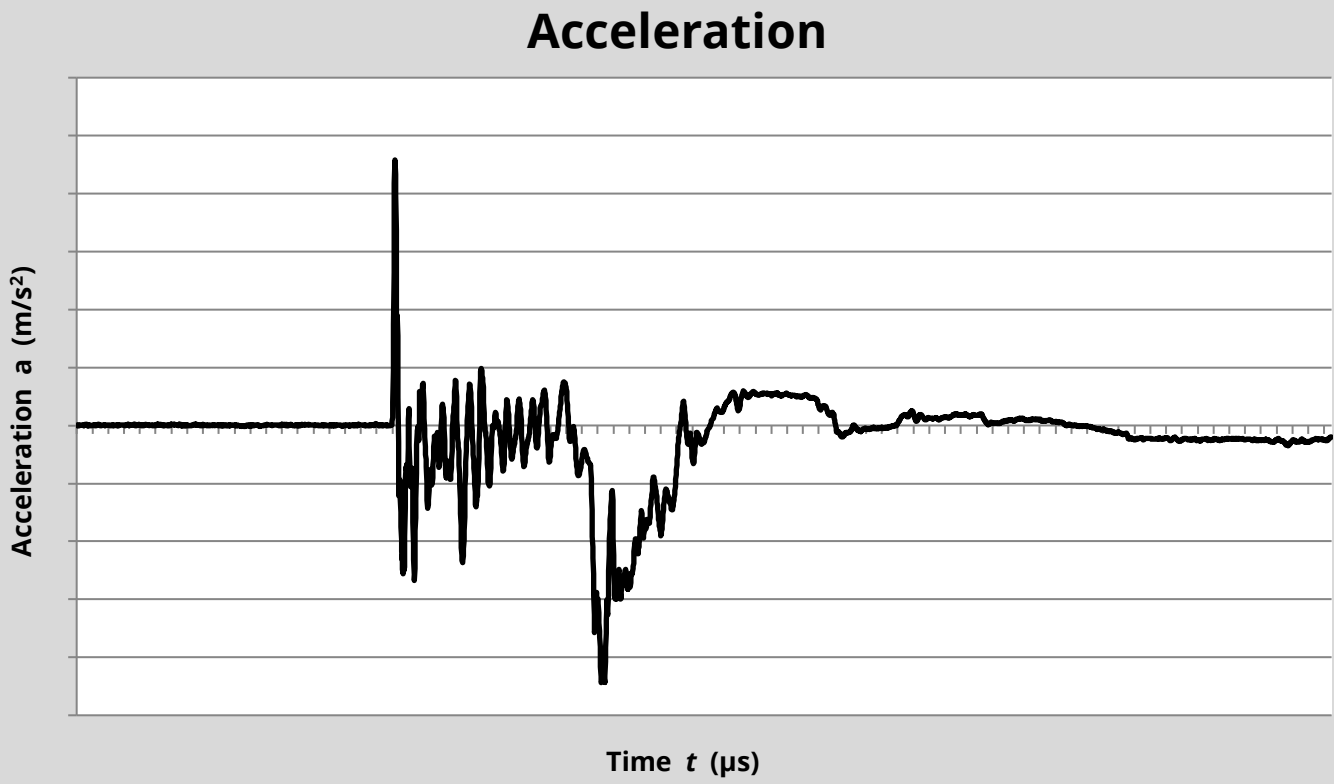


Diameter  $d_r = 0.052\text{ m}$   
Length of instrumented rod  $0.558\text{ m}$   
Area  $A = 11.61\text{ cm}^2$   
Modulus  $E_a = 206843\text{ MPa}$

$E_{\text{meas}} = 0.415\text{ kN-m}$   
 $E_{\text{theor}} = 0.473\text{ kN-m}$

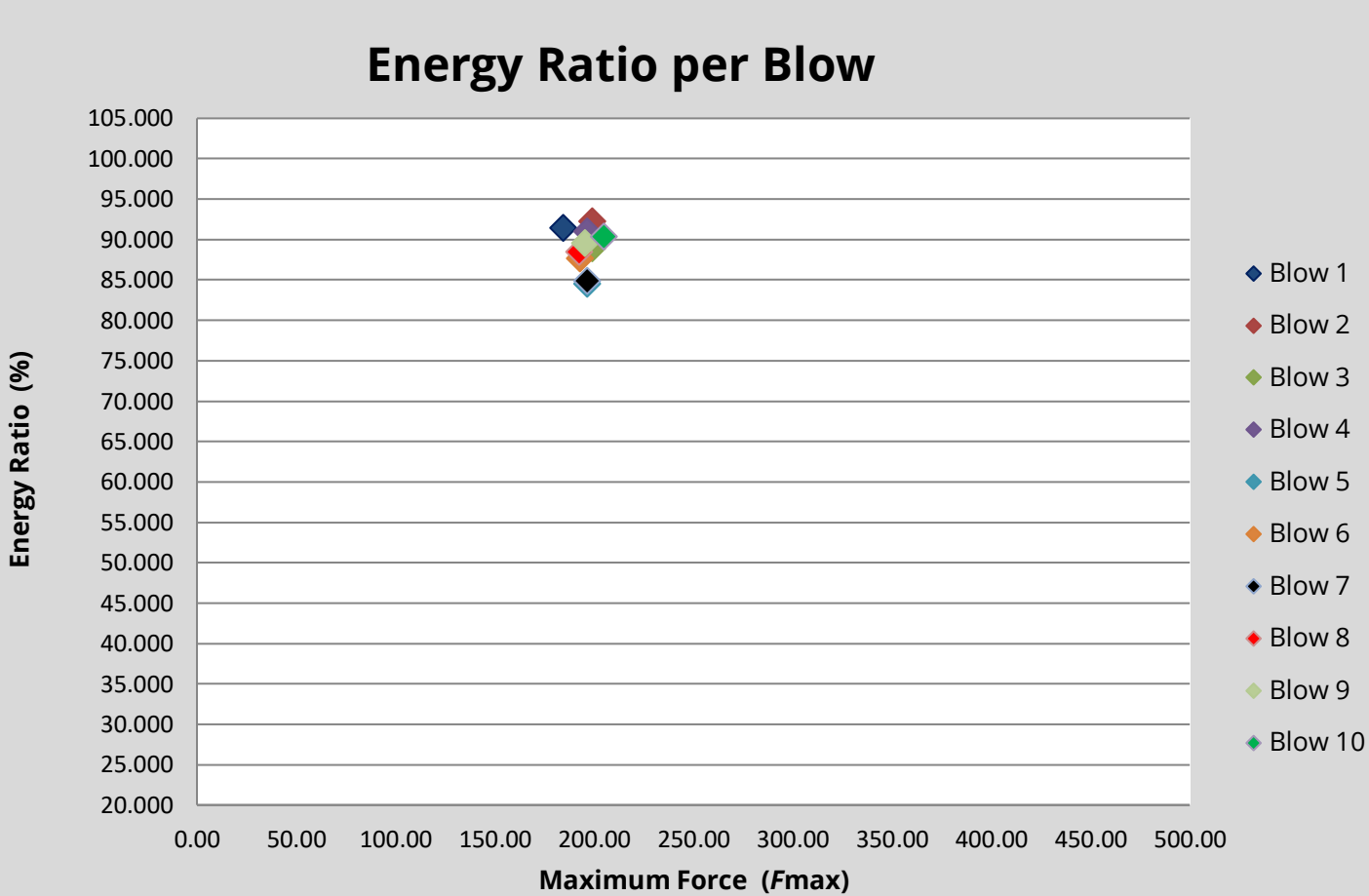
Comments

| DATE OF TEST | VALID UNTIL | HAMMER ID |
|--------------|-------------|-----------|
| 10/06/2024   | 10/06/2025  | OSI 09    |



Energy Ratio (Er) =  $\frac{E_{\text{meas}}}{E_{\text{theor}}}$

87.78%  
© COPYRIGHT 2024



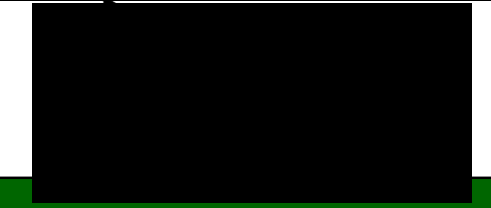
Equipe SPT Analyzer Operator

AF

Certificate prepared by



Certificate checked by



Certificate date

18/06/2024

## **Annex D: Field Data**

VISIT NUMBER: 1 OF 3

DATE: 2024-07-05

OPERATOR: JAMES GOODING-HURST

|                  | GAS CONCENTRATIONS |        |      |        |                        |        |                        |        |                          |        |                |        | VOLATILES      |                        | FLOW DATA        |        |                                     |                                  | WELL AND WATER DATA |                   | COMMENTS |
|------------------|--------------------|--------|------|--------|------------------------|--------|------------------------|--------|--------------------------|--------|----------------|--------|----------------|------------------------|------------------|--------|-------------------------------------|----------------------------------|---------------------|-------------------|----------|
| Monitoring Point | Methane (% v/v)    |        | %LEL |        | Carbon dioxide (% v/v) |        | Carbon monoxide (ppmv) |        | Hydrogen sulphide (ppmv) |        | Oxygen (% v/v) |        | PID Peak (ppm) | Product Thickness (mm) | Flow rate (l/hr) |        | Differential Borehole Pressure (Pa) | Time for flow to equalise (secs) | Water Level (mbgl)  | Depth of well (m) |          |
|                  | Peak               | Steady | Peak | Steady | Peak                   | Steady | Peak                   | Steady | Peak                     | Steady | Min.           | Steady |                |                        | Peak             | Steady |                                     |                                  |                     |                   |          |
| WA102            | <0.1               | <0.1   |      |        | 0.2                    | 0.2    | <1                     | <1     | <1                       | <1     | 20.1           | 0      | 0              | ND                     | 0.0              | 0.0    |                                     | 60                               | 0.66                | 4.70              |          |
| WS101            | <0.1               | <0.1   |      |        | 0.1                    | 0.1    | <1                     | <1     | <1                       | <1     | 20.5           | 20.5   | 0              | ND                     | 0.3              | 0.3    |                                     | 60                               | 0.92                | 4.78              |          |
| WS103            | <0.1               | <0.1   |      |        | 9.6                    | 9.6    | <1                     | <1     | <1                       | <1     | 14.1           | 14.1   | 0              | ND                     | 0.2              | 0.2    |                                     | 60                               | 4.64                | 4.89              |          |
| WS105            | <0.1               | <0.1   |      |        | 2.5                    | 2.5    | <1                     | <1     | <1                       | <1     | 17.7           | 17.7   | 0              | ND                     | 0.2              | 0.2    |                                     | 60                               | Dry                 | 2.56              |          |
| WS107            | <0.1               | <0.1   |      |        | 1.5                    | 1.5    | <1                     | <1     | <1                       | <1     | 19.7           | 19.7   | 0              | ND                     | 0.3              | 0.3    |                                     | 30                               | 3.34                | 4.62              |          |
| Max.             | -                  | -      | -    | -      | 9.6                    | 9.6    | -                      | -      | -                        | -      | 20.5           | 20.5   | 0.0            | -                      | 0.3              | 0.3    | -                                   | 60                               | 4.64                | 4.89              |          |
| Min.             | -                  | -      | -    | -      | 0.1                    | 0.1    | -                      | -      | -                        | -      | 14.1           | 0.0    | 0.0            | -                      | 0.0              | 0.0    | -                                   | 30                               | 0.66                | 2.56              |          |

ND - Not detected

NR - Not recorded

NA - Not applicable

METEOROLOGICAL AND SITE INFORMATION:

(Select correct box with X or enter data, as applicable)

State of ground:

DryMoist

X

WetSnowFrozen

Wind:

Calm

X

LightModerateStrong

Cloud cover:

NoneSlight

X

CloudyOvercast

Precipitation:

None

X

SlightModerateHeavy

Time monitoring performed:

09:20

Start

10:40

End

Barometric pressure (mbar):

999

Start

999

End

Pressure trend (daily):

Falling

X

SteadyRising

Air Temperature (Deg C):

15

Before

15

After

INSTRUMENTATION TECHNICAL SPECIFICATIONS:

Ground gas meter:

Gas Range:

CH<sub>4</sub>

0 to 100%

CO<sub>4</sub>

0 to 100%

O<sub>2</sub>

0 to 25%

Gas Flow Range:

+100 / -50 l/hour

Differential Presure:

(+/-) 1000 Pa

Ambient Air Check:

CH<sub>4</sub>

0

CO<sub>2</sub>

0.1

O<sub>2</sub>

20.4

VISIT NUMBER: 2 OF 3

DATE: 2024-07-12

OPERATOR: MARTIN DORFLING

|                  | GAS CONCENTRATIONS |        |      |        |                        |        |                        |        |                          |        |                |        | VOLATILES      |                        | FLOW DATA        |        |                                     |                                  |                    | WELL AND WATER DATA |  | COMMENTS |
|------------------|--------------------|--------|------|--------|------------------------|--------|------------------------|--------|--------------------------|--------|----------------|--------|----------------|------------------------|------------------|--------|-------------------------------------|----------------------------------|--------------------|---------------------|--|----------|
| Monitoring Point | Methane (% v/v)    |        | %LEL |        | Carbon dioxide (% v/v) |        | Carbon monoxide (ppmv) |        | Hydrogen sulphide (ppmv) |        | Oxygen (% v/v) |        | PID Peak (ppm) | Product Thickness (mm) | Flow rate (l/hr) |        | Differential Borehole Pressure (Pa) | Time for flow to equalise (secs) | Water Level (mbgl) | Depth of well (m)   |  |          |
|                  | Peak               | Steady | Peak | Steady | Peak                   | Steady | Peak                   | Steady | Peak                     | Steady | Min.           | Steady |                |                        | Peak             | Steady |                                     |                                  |                    |                     |  |          |
| WS101            | <0.1               | <0.1   |      |        | 0.1                    | 0.1    | <1                     | <1     | <1                       | <1     | 20.7           | 20.7   | 0.1            | ND                     | 0.3              | 0.3    | 0.43                                | 60                               | 0.57               | 4.78                |  |          |
| WS102            | <0.1               | <0.1   |      |        | 0.2                    | 0.2    | <1                     | <1     | <1                       | <1     | 19.8           | 19.8   | <0.1           | ND                     | 0.3              | 0.3    | 0.05                                | 60                               | 0.98               | 4.70                |  |          |
| WS103            | <0.1               | <0.1   |      |        | 17.6                   | 16.2   | <1                     | <1     | <1                       | <1     | 9.9            | 10.2   | 0.2            | ND                     | 0.4              | 0.4    | 0.05                                | 180                              | 2.56               | 4.90                |  |          |
| WS105            | <0.1               | <0.1   |      |        | 1.9                    | 1.9    | <1                     | <1     | <1                       | <1     | 18.5           | 18.5   | 0.4            | ND                     | 0.4              | 0.4    | 0.00                                | 60                               | 2.17               | 2.55                |  |          |
| WS107            | <0.1               | <0.1   |      |        | 1.4                    | 1.4    | <1                     | <1     | <1                       | <1     | 19.6           | 19.6   | 0              | ND                     | 0.4              | 0.4    | 0.01                                | 100                              | 2.91               | 4.62                |  |          |
| Max.             | -                  | -      | -    | -      | 17.6                   | 16.2   | -                      | -      | -                        | -      | 20.7           | 20.7   | 0.4            | -                      | 0.4              | 0.4    | 0.4                                 | 180                              | 2.91               | 4.90                |  |          |
| Min.             | -                  | -      | -    | -      | 0.1                    | 0.1    | -                      | -      | -                        | -      | 9.9            | 10.2   | 0.0            | -                      | 0.3              | 0.3    | 0.0                                 | 60                               | 0.57               | 2.55                |  |          |

ND - Not detected

NR - Not recorded

NA - Not applicable

METEOROLOGICAL AND SITE INFORMATION:

(Select correct box with X or enter data, as applicable)

State of ground:

DryMoistWetSnowFrozen

Wind:

CalmLightModerateStrong

Cloud cover:

NoneSlightCloudy

X

Overcast

Precipitation:

X

NoneSlightModerateHeavy

Time monitoring performed:

07:20

StartEnd

11:20

Barometric pressure (mbar):

1010

StartEnd

1011

Pressure trend (daily):

FallingSteady

X

Rising

Air Temperature (Deg C):

13

BeforeAfter

15

INSTRUMENTATION TECHNICAL SPECIFICATIONS:

Ground gas meter:

Gas Range:

CH<sub>4</sub>

0 to 100%

CO<sub>4</sub>

0 to 100%

O<sub>2</sub>

0 to 25%

Gas Flow Range:

+100 / -50 l/hour

Differential Presure:

(+/-) 1000 Pa

Ambient Air Check:

CH<sub>4</sub>

0

CO<sub>2</sub>

0.1

O<sub>2</sub>

20.8



Page 2 of 3

7/24/2024, 2:35:49 PM UTC

76b6a93a-bc11-4c5f-b069-56912db7c03c

VISIT NUMBER: 3 OF 3

DATE: 2024-07-23

OPERATOR: MARTIN DORFLING

|                  | GAS CONCENTRATIONS |        |      |        |                        |        |                        |        |                          |        |                |        | VOLATILES      |                        | FLOW DATA        |        |                                     |                                  | WELL AND WATER DATA |                   | COMMENTS |
|------------------|--------------------|--------|------|--------|------------------------|--------|------------------------|--------|--------------------------|--------|----------------|--------|----------------|------------------------|------------------|--------|-------------------------------------|----------------------------------|---------------------|-------------------|----------|
| Monitoring Point | Methane (% v/v)    |        | %LEL |        | Carbon dioxide (% v/v) |        | Carbon monoxide (ppmv) |        | Hydrogen sulphide (ppmv) |        | Oxygen (% v/v) |        | PID Peak (ppm) | Product Thickness (mm) | Flow rate (l/hr) |        | Differential Borehole Pressure (Pa) | Time for flow to equalise (secs) | Water Level (mbgl)  | Depth of well (m) |          |
|                  | Peak               | Steady | Peak | Steady | Peak                   | Steady | Peak                   | Steady | Peak                     | Steady | Min.           | Steady |                |                        | Peak             | Steady |                                     |                                  |                     |                   |          |
| WS101            | <0.1               | <0.1   |      |        | 0.1                    | 0.1    | 2                      | <1     | <1                       | <1     | 19.6           | 19.6   | 0.9            | ND                     | 0.3              | 0.3    | 0.10                                | 60                               | 0.76                | 4.75              |          |
| WS102            | <0.1               | <0.1   |      |        | 0.4                    | 0.4    | <1                     | <1     | <1                       | <1     | 17.5           | 17.7   | 0.6            | ND                     | 0.3              | 0.3    | 0.05                                | 60                               | 0.89                | 4.70              |          |
| WS107            | <0.1               | <0.1   |      |        | 1.9                    | 1.9    | <1                     | <1     | <1                       | <1     | 18.7           | 18.7   | <0.1           | ND                     | 0.3              | 0.3    | 0.03                                | 60                               | 3.67                | 4.62              |          |
| WS103            | <0.1               | <0.1   |      |        | 20.2                   | 20.2   | <1                     | <1     | <1                       | <1     | 8.0            | 8.0    | 0.6            | ND                     | 0.5              | 0.5    | 0.72                                | 300                              | 3.63                | 4.90              |          |
| WS105            | <0.1               | <0.1   |      |        | 1.7                    | 1.6    | <1                     | <1     | <1                       | <1     | 18.6           | 18.6   | 0.1            | ND                     | 0.3              | 0.3    | 0.05                                | 60                               | 2.5                 | 2.56              |          |
| Max.             | -                  | -      | -    | -      | 20.2                   | 20.2   | 2.0                    | -      | -                        | -      | 19.6           | 19.6   | 0.9            | -                      | 0.5              | 0.5    | 0.7                                 | 300                              | 3.67                | 4.90              |          |
| Min.             | -                  | -      | -    | -      | 0.1                    | 0.1    | 2.0                    | -      | -                        | -      | 8.0            | 8.0    | 0.1            | -                      | 0.3              | 0.3    | 0.0                                 | 60                               | 0.76                | 2.56              |          |

ND - Not detected

NR - Not recorded

NA - Not applicable

METEOROLOGICAL AND SITE INFORMATION:

(Select correct box with X or enter data, as applicable)

State of ground:

Dry

X

MoistWetSnowFrozen

Wind:

Calm

X

LightModerateStrong

Cloud cover:

NoneSlight

X

CloudyOvercast

Precipitation:

X

NoneSlightModerateHeavy

Time monitoring performed:

09:30

Start

10:58

End

Barometric pressure (mbar):

1010

Start

1011

End

Pressure trend (daily):

FallingSteadyRising

Air Temperature (Deg C):

22

Before

22

After

INSTRUMENTATION TECHNICAL SPECIFICATIONS:

Ground gas meter:

Gas Range:

CH<sub>4</sub>

0 to 100%

CO<sub>4</sub>

0 to 100%

O<sub>2</sub>

0 to 25%

Gas Flow Range:

+100 / -50 l/hour

Differential Presure:

(+/-) 1000 Pa

Ambient Air Check:

CH<sub>4</sub>

0

CO<sub>2</sub>

0.1

O<sub>2</sub>

20.4

## **Annex E: Laboratory Geotechnical Data**

GEOLABS Limited  
 Bucknalls Lane  
 Garston  
 Watford  
 Hertfordshire  
 WD25 9XX

Tel: +44(0) 1923 892 190  
 Fax: +44(0) 1923 892 191  
 email: admin@geolabs.co.uk  
 web: www.geolabs.co.uk

**TRC Companies Limited**

Arkwright House  
 Manchester  
 M3 2LF

17 July 2024

**Report No : GEO/40765/01**

Page 1 of 1

For the attention of Ms K Paterson

Our ref **GEO / 40765**Your Ref **610344**

Date samples received 28/06/2024

Date written instructions received 28/06/2024

Date testing commenced 29/06/2024

**Date of sample disposal 14/08/2024**Project **SHINFIELD PARK, READING**

Further to your instructions we have pleasure in enclosing the results of the tests you requested in the attached figures.

**LABORATORY TEST REPORT**

| Item No | Test Quantity | Description                           |
|---------|---------------|---------------------------------------|
| 1       | ~             | Liquid & Plastic Limits Summary       |
| ~       | 9             | Water Content                         |
| ~       | 9             | Liquid & Plastic Limits               |
| 2       | 12            | Particle Size Distribution            |
| 3       | ~             | Geochemical Test Summary              |
| ~       | 4             | BRE SD1 Suite D - Brownfield + pyrite |

Any opinions or interpretations expressed herein are outside the scope of UKAS accreditation. All results contained in this report are provisional unless signed by an approved signatory. The results contained in this report relate only to samples received in the laboratory and are tested 'as received' unless otherwise stated. This report should not be reproduced, except in full, without the written approval of the laboratory. The results reported are applicable only to the test items received by the laboratory.

All the necessary data required by the documented test procedures has been recorded and will be stored for a period of not less than 6 years. This data will be issued to yourselves at your request. All samples will be disposed of after the date shown above. Written confirmation will be required to retain the samples beyond this period and a storage charge may be applied.

We trust that the above meets your requirements and should you require any further information or assistance, please do not hesitate to contact us.

Yours faithfully

on behalf of **GEOLABS Limited**

S Burke  
 Senior Technician

## SUMMARY OF LIQUID AND PLASTIC LIMIT TESTS

| Location | Depth<br>m | Sample<br>Ref | Sample<br>Type | Description                                                                          | Water Content<br>BS EN ISO 17892-1 : 2014<br>+A1:2022<br>% | Liquid Limit<br>% | Plastic Limit<br>% | Plasticity Index<br>% | Percentage Passing 425µm<br>% | Atterberg Classification | Test Type | Sample Condition |
|----------|------------|---------------|----------------|--------------------------------------------------------------------------------------|------------------------------------------------------------|-------------------|--------------------|-----------------------|-------------------------------|--------------------------|-----------|------------------|
| WS101    | 2.00       |               | D              | Brown slightly sandy silty slightly gravelly CLAY with gypsum crystal. Sand is fine. | 25.6                                                       | 57                | 16                 | 41                    | 99                            | CH                       | 2         | 1                |
| WS101    | 5.00       |               | D              | Brown slightly sandy silty CLAY. Sand is fine.                                       | 23.8                                                       | 54                | 20                 | 34                    | 100                           | CH                       | 2         | 1                |
| WS102    | 4.00       |               | D              | Brown slightly sandy silty CLAY. Sand is fine.                                       | 24.3                                                       | 47                | 19                 | 28                    | 100                           | CI                       | 2         | 1                |
| WS104    | 3.00       |               | D              | Greyish brown slightly sandy gravelly silty CLAY. Sand is fine.                      | 28.4                                                       | 55                | 22                 | 33                    | 99                            | CH                       | 2         | 1                |
| WS105    | 2.00       |               | D              | Orangish brown mottled brown sandy gravelly silty CLAY with rubber and nails.        | 24.5                                                       | 55                | 19                 | 36                    | 65                            | CH                       | 2         | 3                |
| WS106    | 3.00       |               | D              | Brown slightly sandy silty CLAY with gypsum crystal. Sand is fine.                   | 23.7                                                       | 50                | 21                 | 29                    | 100                           | CI                       | 2         | 1                |
| WS107    | 3.00       |               | D              | Orangish brown slightly sandy silty CLAY. Sand is fine.                              | 25.3                                                       | 50                | 23                 | 27                    | 100                           | CI                       | 2         | 1                |
| WS112    | 2.00       |               | D              | Brownish grey slightly sandy gravelly silty CLAY. Gravel is fine to medium.          | 22.4                                                       | 57                | 25                 | 32                    | 98                            | CH                       | 2         | 1                |
| WS112    | 4.00       |               | D              | Orangish brown slightly sandy silty CLAY. Sand is fine.                              | 26.4                                                       | 48                | 20                 | 28                    | 100                           | CI                       | 2         | 1                |
|          |            |               |                |                                                                                      |                                                            |                   |                    |                       |                               |                          |           |                  |
|          |            |               |                |                                                                                      |                                                            |                   |                    |                       |                               |                          |           |                  |
|          |            |               |                |                                                                                      |                                                            |                   |                    |                       |                               |                          |           |                  |
|          |            |               |                |                                                                                      |                                                            |                   |                    |                       |                               |                          |           |                  |
|          |            |               |                |                                                                                      |                                                            |                   |                    |                       |                               |                          |           |                  |
|          |            |               |                |                                                                                      |                                                            |                   |                    |                       |                               |                          |           |                  |

Test Type: 2 - 4 point 80g / 30° fall cone method.

Sample condition: 1 - As Received  
2 - Air Dried  
3 - Washed & Air Dried

Checked and Approved by:

S Burke - Senior Technician  
17/07/2024

Project Number:

GEO / 40765

Project Name:

SHINFIELD PARK, READING  
610344

# SUMMARY OF CHEMICAL TESTS ON SOIL

| Location | Depth<br>m | Sample<br>Ref | Sample<br>Type | pH Value | Total Acid Soluble Sulphate as<br>SO4<br>% | Water Soluble Sulphate as SO4<br>2:1 Water:Soil Extract<br>g/l | Total Sulphur<br>% | Water Soluble Chloride<br>g/l | Water Soluble Nitrate<br>g/l | Magnesium<br>g/l | Organic Content<br>% | Mass Loss on Ignition<br>% | Carbonate Content<br>% |
|----------|------------|---------------|----------------|----------|--------------------------------------------|----------------------------------------------------------------|--------------------|-------------------------------|------------------------------|------------------|----------------------|----------------------------|------------------------|
| WS101    | 1.20       |               | D              | 8.2      | 0.015                                      | 0.70                                                           | 0.051              | 0.020                         | < 0.010                      | 0.065            | -                    | -                          | -                      |
| WS105    | 1.20       |               | D              | 8.4      | 0.029                                      | 0.036                                                          | 0.014              | < 0.010                       | < 0.010                      | < 0.010          | -                    | -                          | -                      |
| WS106    | 2.00       |               | D              | 8.0      | 0.31                                       | 1.6                                                            | 0.45               | < 0.010                       | < 0.010                      | 0.14             | -                    | -                          | -                      |
| WS107    | 5.00       |               | D              | 8.0      | 0.22                                       | 0.49                                                           | 0.072              | < 0.010                       | < 0.010                      | 0.058            | -                    | -                          | -                      |
|          |            |               |                |          |                                            |                                                                |                    |                               |                              |                  |                      |                            |                        |
|          |            |               |                |          |                                            |                                                                |                    |                               |                              |                  |                      |                            |                        |
|          |            |               |                |          |                                            |                                                                |                    |                               |                              |                  |                      |                            |                        |
|          |            |               |                |          |                                            |                                                                |                    |                               |                              |                  |                      |                            |                        |
|          |            |               |                |          |                                            |                                                                |                    |                               |                              |                  |                      |                            |                        |
|          |            |               |                |          |                                            |                                                                |                    |                               |                              |                  |                      |                            |                        |
|          |            |               |                |          |                                            |                                                                |                    |                               |                              |                  |                      |                            |                        |
|          |            |               |                |          |                                            |                                                                |                    |                               |                              |                  |                      |                            |                        |
|          |            |               |                |          |                                            |                                                                |                    |                               |                              |                  |                      |                            |                        |
|          |            |               |                |          |                                            |                                                                |                    |                               |                              |                  |                      |                            |                        |
|          |            |               |                |          |                                            |                                                                |                    |                               |                              |                  |                      |                            |                        |
|          |            |               |                |          |                                            |                                                                |                    |                               |                              |                  |                      |                            |                        |
|          |            |               |                |          |                                            |                                                                |                    |                               |                              |                  |                      |                            |                        |
|          |            |               |                |          |                                            |                                                                |                    |                               |                              |                  |                      |                            |                        |
|          |            |               |                |          |                                            |                                                                |                    |                               |                              |                  |                      |                            |                        |
|          |            |               |                |          |                                            |                                                                |                    |                               |                              |                  |                      |                            |                        |

Tested by Eurofins Chemtest Ltd : MCERTS / UKAS No 2183

Checked and Approved by:  

S Burke - Senior Technician  
25/07/2024

Project Number:  

GEO / 40765

Project Name:  

SHINFIELD PARK, READING  
610344

GEOLABS®

**PARTICLE SIZE DISTRIBUTION**

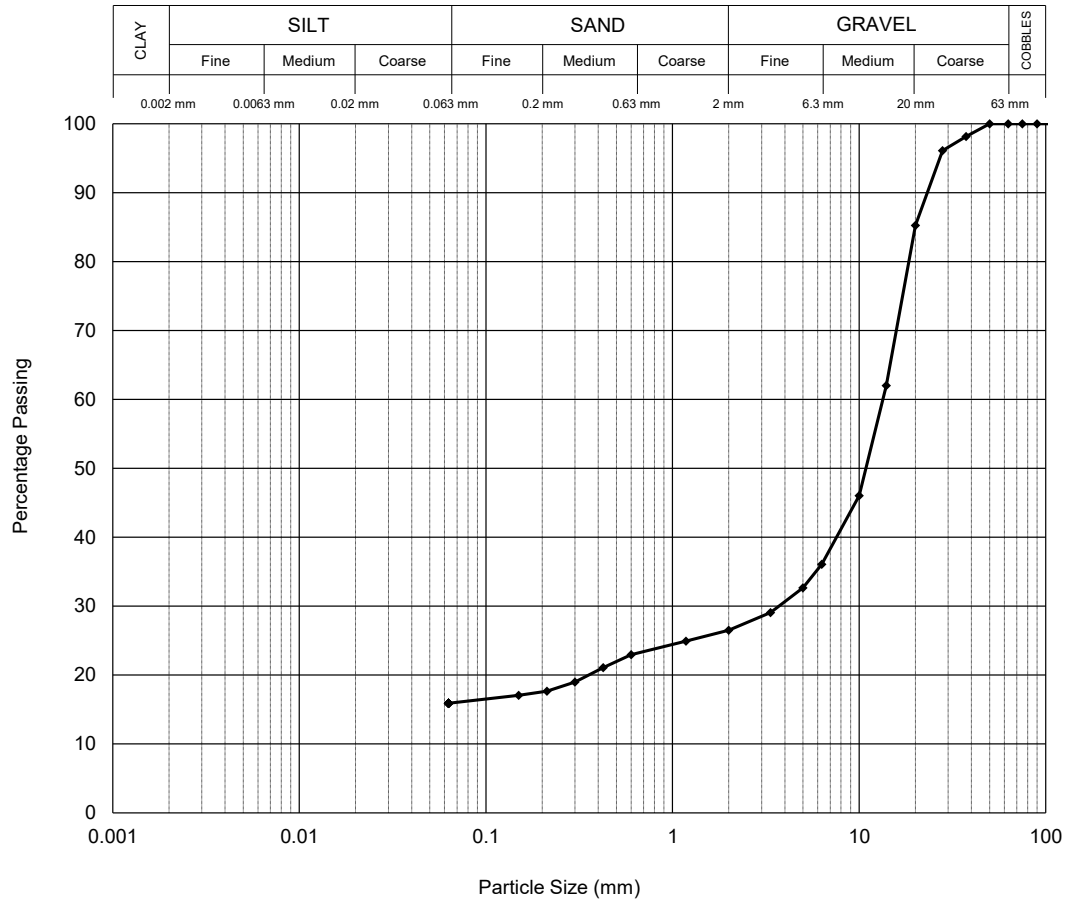
Location WS102  
Sample Depth 0.50 m  
Sample Type B

## Description

Brown silty clayey sandy GRAVEL.

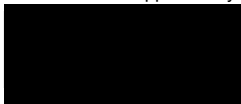
## BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve

| Sieve    |        |
|----------|--------|
| Size     | % Pass |
| 200.0 mm | 100    |
| 125.0 mm | 100    |
| 90.0 mm  | 100    |
| 75.0 mm  | 100    |
| 63.0 mm  | 100    |
| 50.0 mm  | 100    |
| 37.5 mm  | 98     |
| 28.0 mm  | 96     |
| 20.0 mm  | 85     |
| 14.0 mm  | 62     |
| 10.0 mm  | 46     |
| 6.30 mm  | 36     |
| 5.00 mm  | 33     |
| 3.35 mm  | 29     |
| 2.00 mm  | 26     |
| 1.18 mm  | 25     |
| 600 µm   | 23     |
| 425 µm   | 21     |
| 300 µm   | 19     |
| 212 µm   | 18     |
| 150 µm   | 17     |
| 63 µm    | 16     |



| Particle Proportions |      |
|----------------------|------|
| Cobbles              | 0.0  |
| Gravel               | 73.5 |
| Sand                 | 10.6 |
| Silt & Clay          | 15.9 |

Tested by TH  
Checked and Approved by



S Burke - Senior Technician  
17/07/2024

Project Number:

**GEO / 40765**

Project Name:

**SHINFIELD PARK, READING  
610344**

**PARTICLE SIZE DISTRIBUTION**

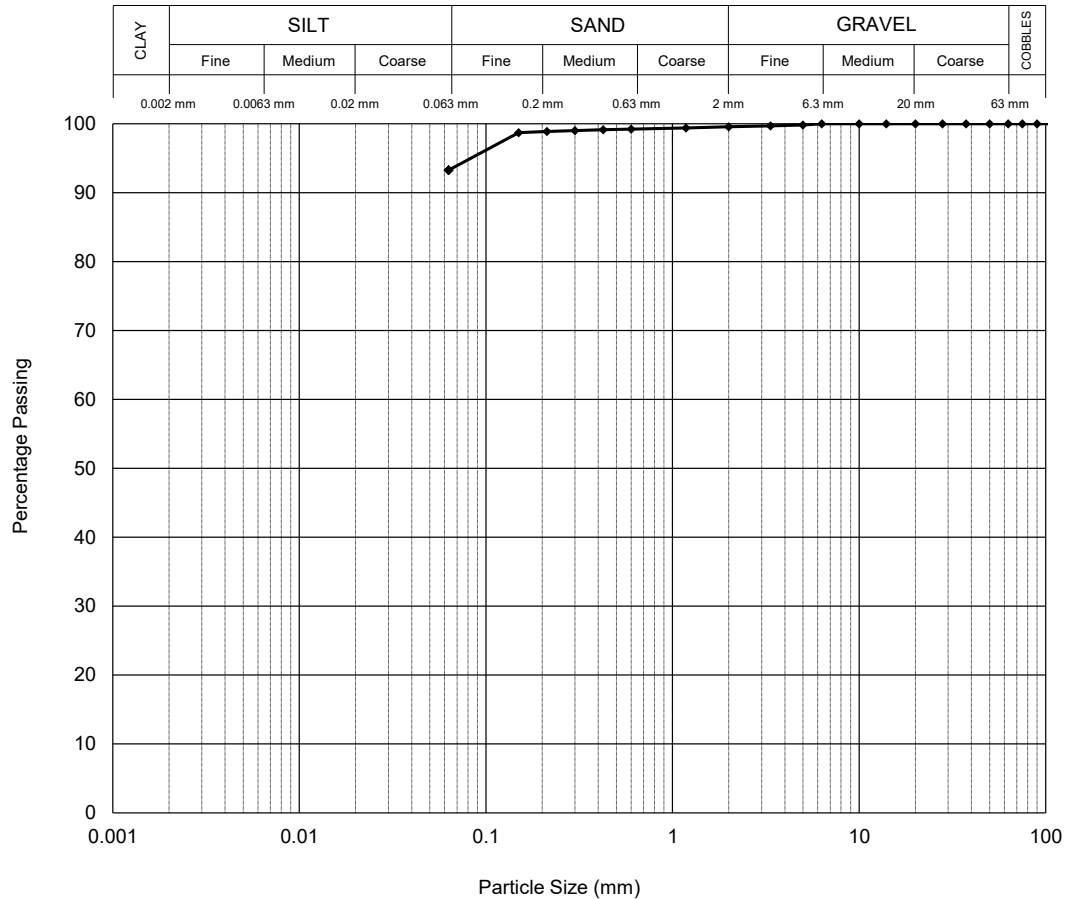
Location WS102  
Sample Depth 2.00 m  
Sample Type B

## Description

Light brown slightly sandy silty CLAY.

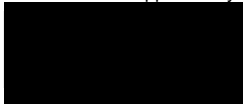
## BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve

| Sieve    |        |
|----------|--------|
| Size     | % Pass |
| 200.0 mm | 100    |
| 125.0 mm | 100    |
| 90.0 mm  | 100    |
| 75.0 mm  | 100    |
| 63.0 mm  | 100    |
| 50.0 mm  | 100    |
| 37.5 mm  | 100    |
| 28.0 mm  | 100    |
| 20.0 mm  | 100    |
| 14.0 mm  | 100    |
| 10.0 mm  | 100    |
| 6.30 mm  | 100    |
| 5.00 mm  | 100    |
| 3.35 mm  | 100    |
| 2.00 mm  | 100    |
| 1.18 mm  | 99     |
| 600 µm   | 99     |
| 425 µm   | 99     |
| 300 µm   | 99     |
| 212 µm   | 99     |
| 150 µm   | 99     |
| 63 µm    | 93     |



| Particle Proportions |      |
|----------------------|------|
| Cobbles              | 0.0  |
| Gravel               | 0.4  |
| Sand                 | 6.3  |
| Silt & Clay          | 93.3 |

Tested by TH  
Checked and Approved by



S Burke - Senior Technician  
17/07/2024

Project Number:

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Project Name:

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610344**

## PARTICLE SIZE DISTRIBUTION

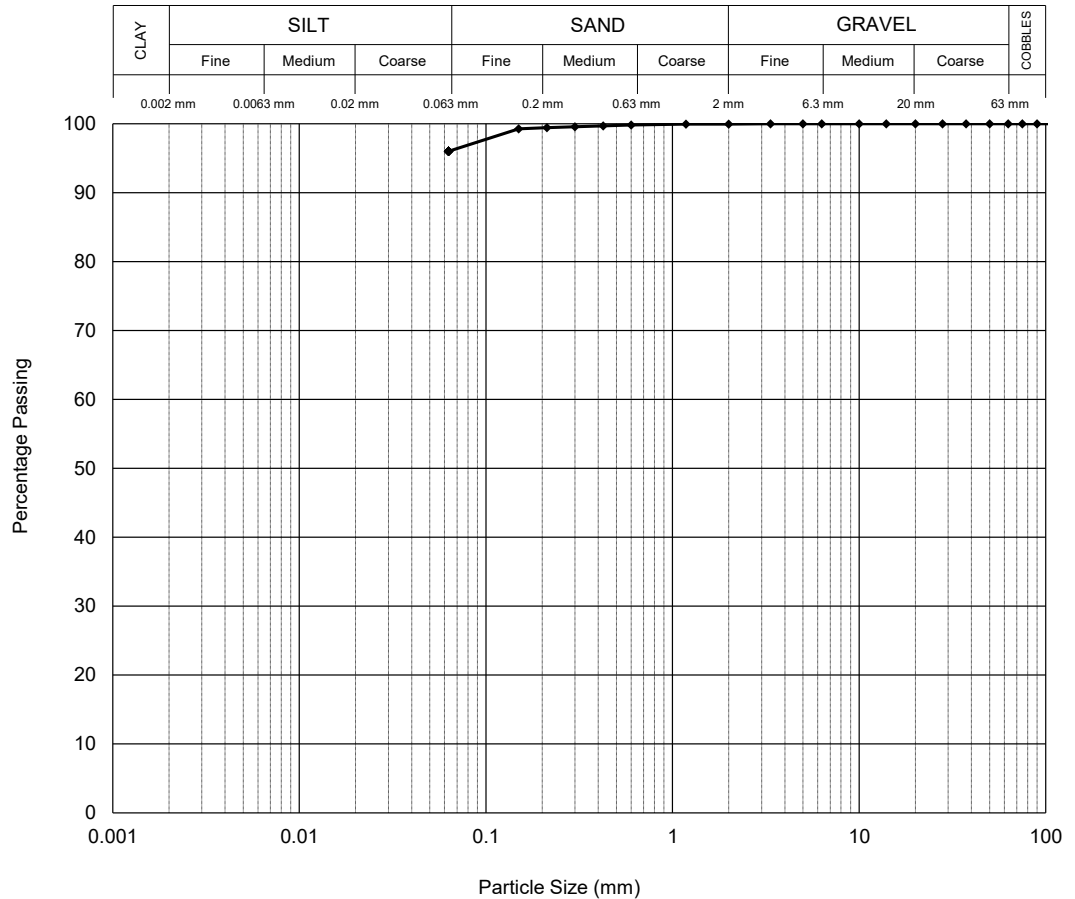
Location WS103  
Sample Depth 2.50 m  
Sample Type B

## Description

Brown mottled grey slightly sandy silty CLAY.

## BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve

| Sieve    |        |
|----------|--------|
| Size     | % Pass |
| 200.0 mm | 100    |
| 125.0 mm | 100    |
| 90.0 mm  | 100    |
| 75.0 mm  | 100    |
| 63.0 mm  | 100    |
| 50.0 mm  | 100    |
| 37.5 mm  | 100    |
| 28.0 mm  | 100    |
| 20.0 mm  | 100    |
| 14.0 mm  | 100    |
| 10.0 mm  | 100    |
| 6.30 mm  | 100    |
| 5.00 mm  | 100    |
| 3.35 mm  | 100    |
| 2.00 mm  | 100    |
| 1.18 mm  | 100    |
| 600 µm   | 100    |
| 425 µm   | 100    |
| 300 µm   | 100    |
| 212 µm   | 99     |
| 150 µm   | 99     |
| 63 µm    | 96     |



| Particle Proportions |      |
|----------------------|------|
| Cobbles              | 0.0  |
| Gravel               | 0.0  |
| Sand                 | 4.0  |
| Silt & Clay          | 96.0 |

Tested by TH  
Checked and Approved by

S Burke - Senior Technician  
17/07/2024

Project Number:

GEO / 40765

Project Name:

SHINFIELD PARK, READING  
610344



**PARTICLE SIZE DISTRIBUTION**

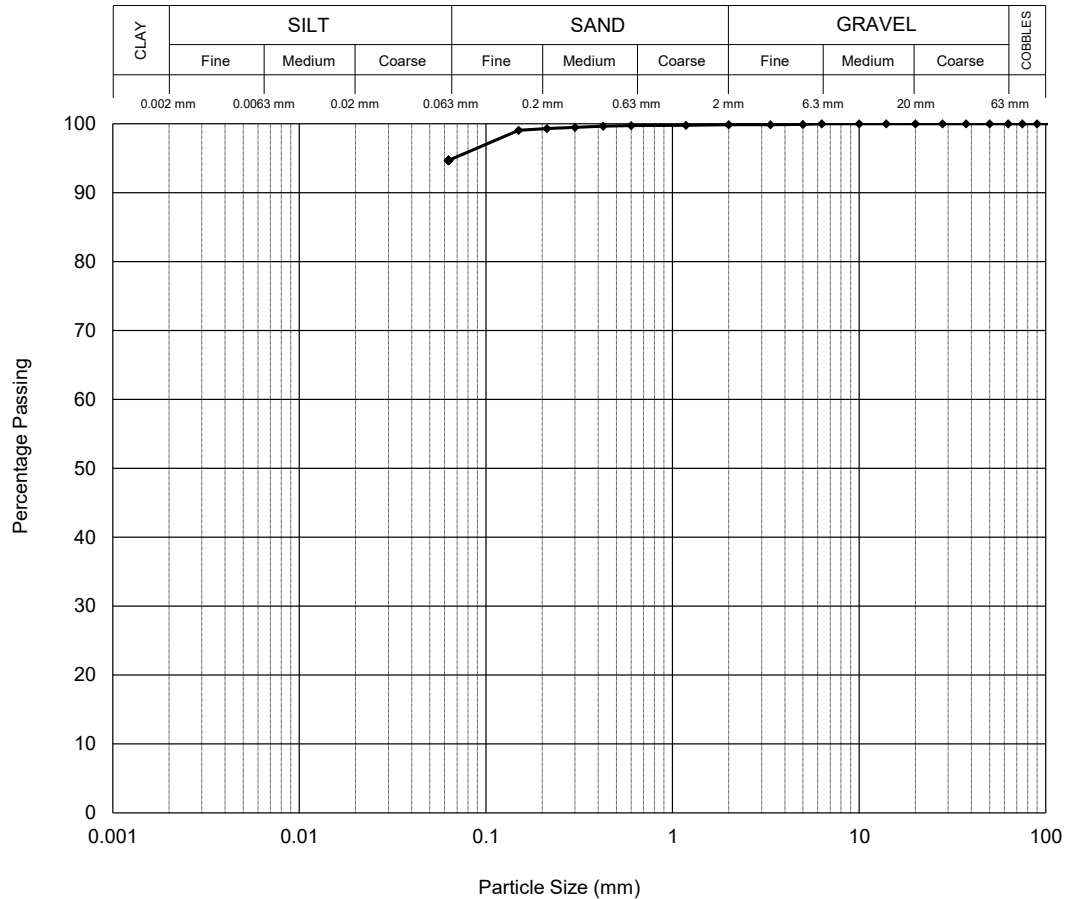
Location WS104  
Sample Depth 4.50 m  
Sample Type B

## Description

Brown slightly sandy silty CLAY.

## BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve

| Sieve    |        |
|----------|--------|
| Size     | % Pass |
| 200.0 mm | 100    |
| 125.0 mm | 100    |
| 90.0 mm  | 100    |
| 75.0 mm  | 100    |
| 63.0 mm  | 100    |
| 50.0 mm  | 100    |
| 37.5 mm  | 100    |
| 28.0 mm  | 100    |
| 20.0 mm  | 100    |
| 14.0 mm  | 100    |
| 10.0 mm  | 100    |
| 6.30 mm  | 100    |
| 5.00 mm  | 100    |
| 3.35 mm  | 100    |
| 2.00 mm  | 100    |
| 1.18 mm  | 100    |
| 600 µm   | 100    |
| 425 µm   | 100    |
| 300 µm   | 99     |
| 212 µm   | 99     |
| 150 µm   | 99     |
| 63 µm    | 95     |



| Particle Proportions |      |
|----------------------|------|
| Cobbles              | 0.0  |
| Gravel               | 0.2  |
| Sand                 | 5.2  |
| Silt & Clay          | 94.6 |

| Uniformity Coefficient |     |
|------------------------|-----|
|                        | N/A |

Uniformity Coefficient - Specification for Highway Works Table 6/1 footnote 5

Tested by TH  
Checked and Approved by



S Burke - Senior Technician  
17/07/2024

Project Number:

**GEO / 40765**

Project Name:

**SHINFIELD PARK, READING  
610344**

## PARTICLE SIZE DISTRIBUTION

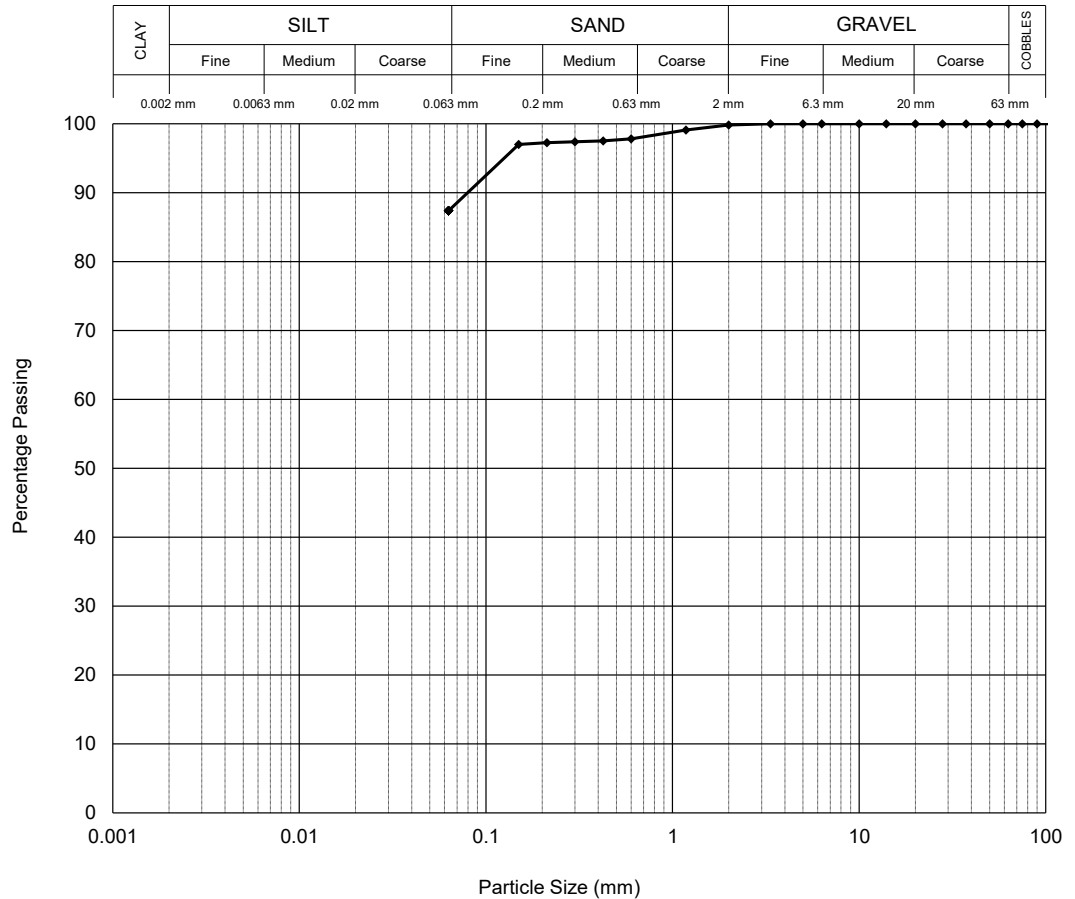
Location WS106  
Sample Depth 1.20 m  
Sample Type B

## Description

Brown slightly sandy silty CLAY.

## BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve

| Sieve    |        |
|----------|--------|
| Size     | % Pass |
| 200.0 mm | 100    |
| 125.0 mm | 100    |
| 90.0 mm  | 100    |
| 75.0 mm  | 100    |
| 63.0 mm  | 100    |
| 50.0 mm  | 100    |
| 37.5 mm  | 100    |
| 28.0 mm  | 100    |
| 20.0 mm  | 100    |
| 14.0 mm  | 100    |
| 10.0 mm  | 100    |
| 6.30 mm  | 100    |
| 5.00 mm  | 100    |
| 3.35 mm  | 100    |
| 2.00 mm  | 100    |
| 1.18 mm  | 99     |
| 600 µm   | 98     |
| 425 µm   | 97     |
| 300 µm   | 97     |
| 212 µm   | 97     |
| 150 µm   | 97     |
| 63 µm    | 87     |



| Particle Proportions |      |
|----------------------|------|
| Cobbles              | 0.0  |
| Gravel               | 0.2  |
| Sand                 | 12.4 |
| Silt & Clay          | 87.4 |

Tested by TH  
Checked and Approved by

S Burke - Senior Technician  
17/07/2024

Project Number:

GEO / 40765

Project Name:

SHINFIELD PARK, READING  
610344



**PARTICLE SIZE DISTRIBUTION**

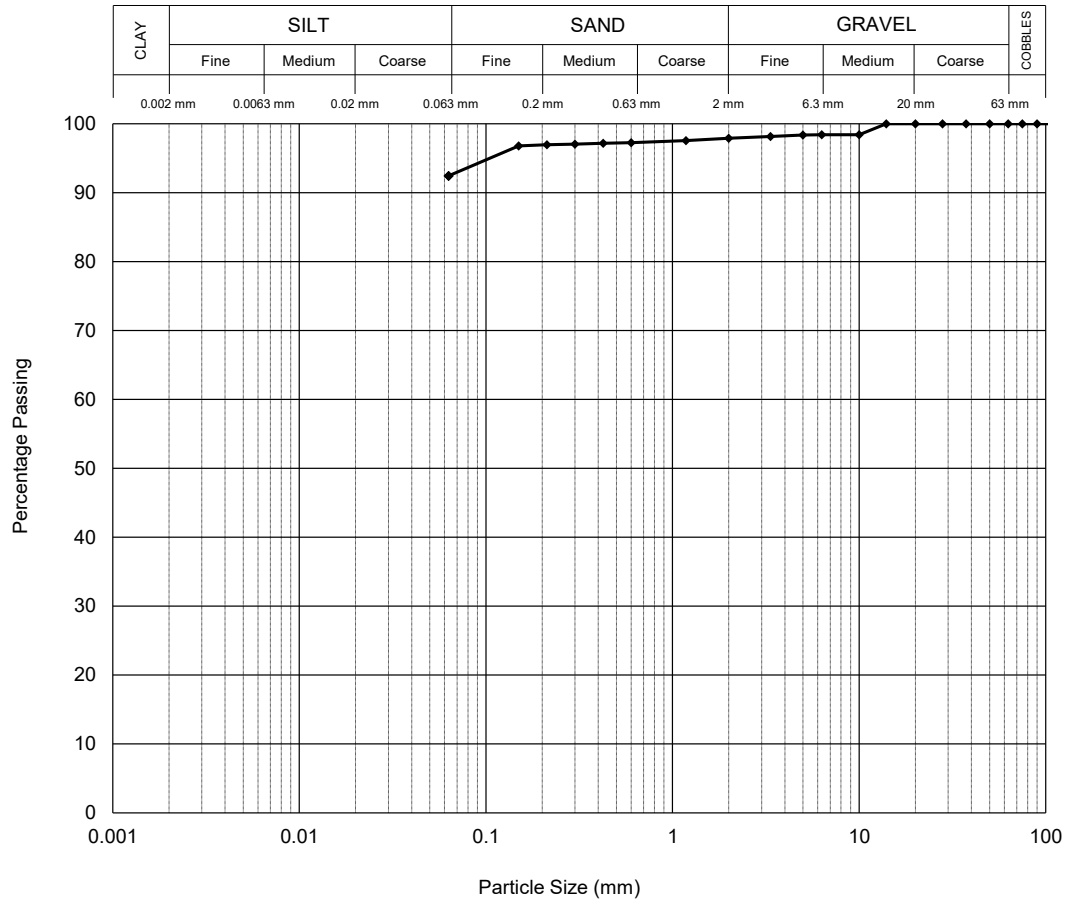
Location WS106  
Sample Depth 4.25 m  
Sample Type B

## Description

Dark brown slightly sandy silty CLAY.

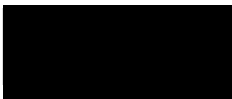
## BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve

| Sieve    |        |
|----------|--------|
| Size     | % Pass |
| 200.0 mm | 100    |
| 125.0 mm | 100    |
| 90.0 mm  | 100    |
| 75.0 mm  | 100    |
| 63.0 mm  | 100    |
| 50.0 mm  | 100    |
| 37.5 mm  | 100    |
| 28.0 mm  | 100    |
| 20.0 mm  | 100    |
| 14.0 mm  | 100    |
| 10.0 mm  | 98     |
| 6.30 mm  | 98     |
| 5.00 mm  | 98     |
| 3.35 mm  | 98     |
| 2.00 mm  | 98     |
| 1.18 mm  | 98     |
| 600 µm   | 97     |
| 425 µm   | 97     |
| 300 µm   | 97     |
| 212 µm   | 97     |
| 150 µm   | 97     |
| 63 µm    | 92     |



| Particle Proportions |      |
|----------------------|------|
| Cobbles              | 0.0  |
| Gravel               | 2.1  |
| Sand                 | 5.4  |
| Silt & Clay          | 92.5 |

Tested by TH  
Checked and Approved by



S Burke - Senior Technician  
17/07/2024

Project Number:

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Project Name:

**SHINFIELD PARK, READING  
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## PARTICLE SIZE DISTRIBUTION

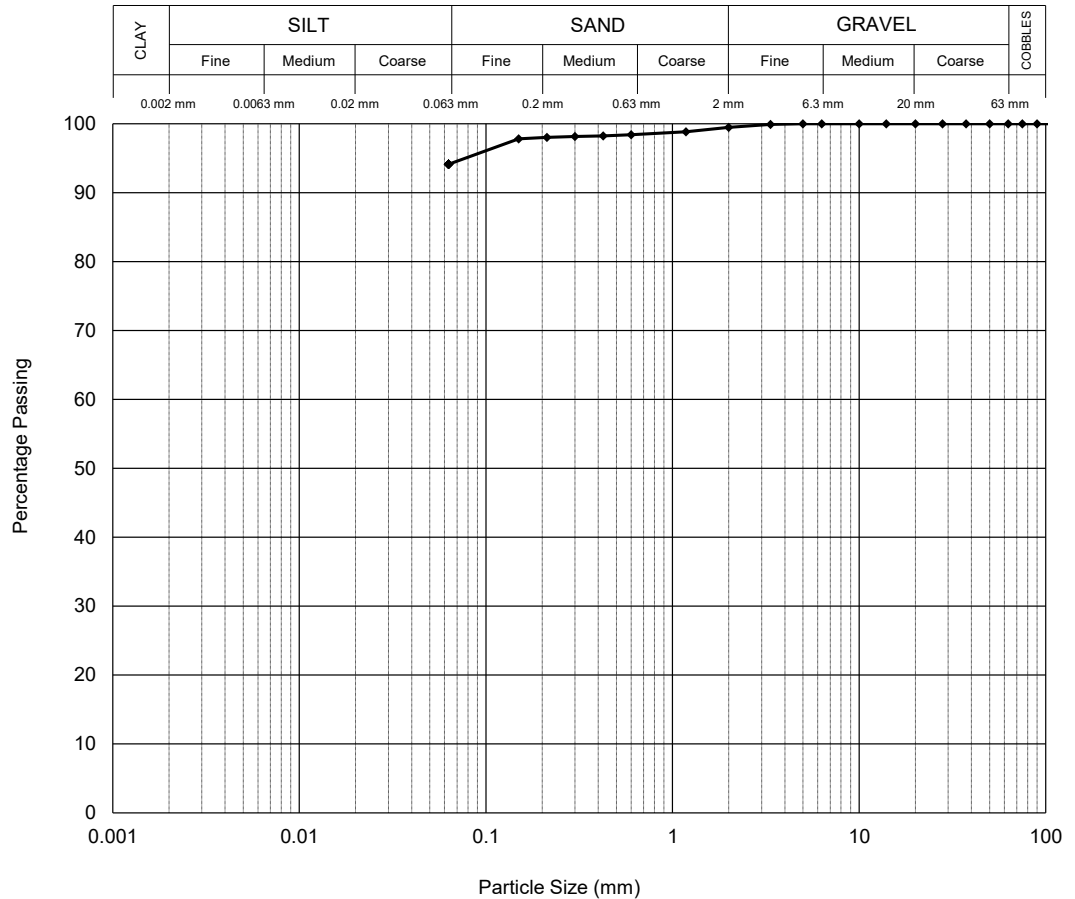
Location WS107  
Sample Depth 4.50 m  
Sample Type B

## Description

Brown slightly sandy silty CLAY.

## BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve

| Sieve    |        |
|----------|--------|
| Size     | % Pass |
| 200.0 mm | 100    |
| 125.0 mm | 100    |
| 90.0 mm  | 100    |
| 75.0 mm  | 100    |
| 63.0 mm  | 100    |
| 50.0 mm  | 100    |
| 37.5 mm  | 100    |
| 28.0 mm  | 100    |
| 20.0 mm  | 100    |
| 14.0 mm  | 100    |
| 10.0 mm  | 100    |
| 6.30 mm  | 100    |
| 5.00 mm  | 100    |
| 3.35 mm  | 100    |
| 2.00 mm  | 99     |
| 1.18 mm  | 99     |
| 600 µm   | 98     |
| 425 µm   | 98     |
| 300 µm   | 98     |
| 212 µm   | 98     |
| 150 µm   | 98     |
| 63 µm    | 94     |



| Particle Proportions |      |
|----------------------|------|
| Cobbles              | 0.0  |
| Gravel               | 0.5  |
| Sand                 | 5.4  |
| Silt & Clay          | 94.1 |

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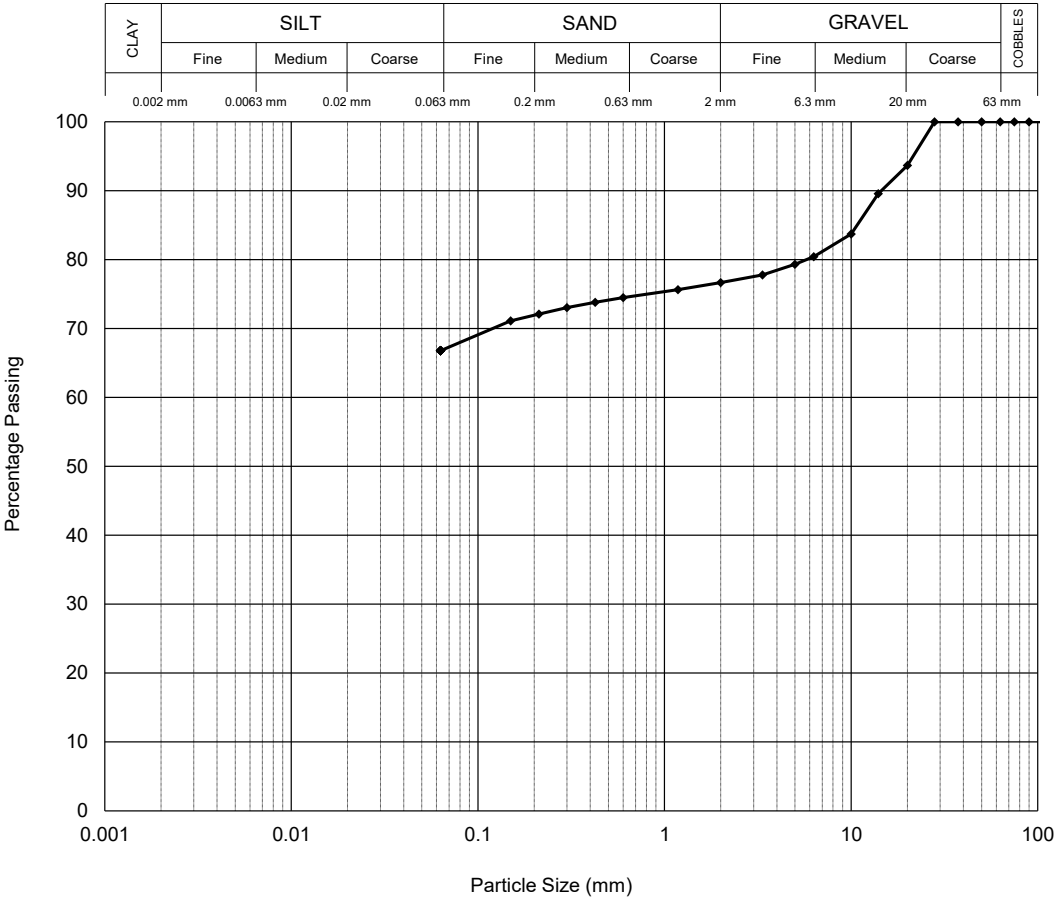
PARTICLE SIZE DISTRIBUTION

Location WS109  
Sample Depth 0.50 m  
Sample Type B

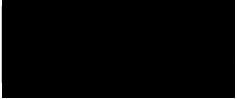
Description  
Brown gravelly sandy silty CLAY with rare roots.

BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve

| Sieve    |        |
|----------|--------|
| Size     | % Pass |
| 200.0 mm | 100    |
| 125.0 mm | 100    |
| 90.0 mm  | 100    |
| 75.0 mm  | 100    |
| 63.0 mm  | 100    |
| 50.0 mm  | 100    |
| 37.5 mm  | 100    |
| 28.0 mm  | 100    |
| 20.0 mm  | 94     |
| 14.0 mm  | 90     |
| 10.0 mm  | 84     |
| 6.30 mm  | 80     |
| 5.00 mm  | 79     |
| 3.35 mm  | 78     |
| 2.00 mm  | 77     |
| 1.18 mm  | 76     |
| 600 µm   | 74     |
| 425 µm   | 74     |
| 300 µm   | 73     |
| 212 µm   | 72     |
| 150 µm   | 71     |
| 63 µm    | 67     |



| Particle Proportions |      |
|----------------------|------|
| Cobbles              | 0.0  |
| Gravel               | 23.3 |
| Sand                 | 9.9  |
| Silt & Clay          | 66.8 |

Tested by TH  
Checked and Approved by  
  
S Burke - Senior Technician  
17/07/2024

Project Number:  
**GEO / 40765**  
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**SHINFIELD PARK, READING  
610344**



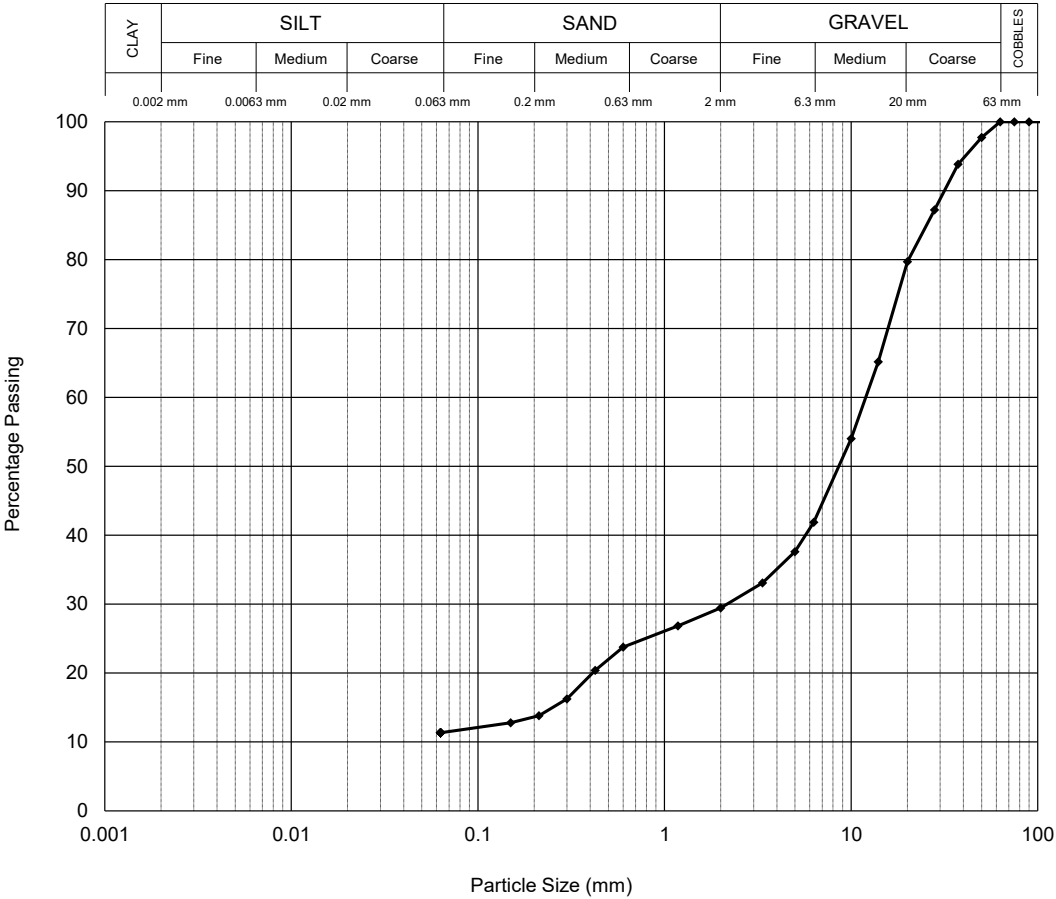
PARTICLE SIZE DISTRIBUTION

Location WS109  
Sample Depth 1.10 m  
Sample Type B

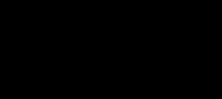
Description  
Brown clayey silty sandy GRAVEL.

BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve

| Sieve    |        |
|----------|--------|
| Size     | % Pass |
| 200.0 mm | 100    |
| 125.0 mm | 100    |
| 90.0 mm  | 100    |
| 75.0 mm  | 100    |
| 63.0 mm  | 100    |
| 50.0 mm  | 98     |
| 37.5 mm  | 94     |
| 28.0 mm  | 87     |
| 20.0 mm  | 80     |
| 14.0 mm  | 65     |
| 10.0 mm  | 54     |
| 6.30 mm  | 42     |
| 5.00 mm  | 38     |
| 3.35 mm  | 33     |
| 2.00 mm  | 29     |
| 1.18 mm  | 27     |
| 600 µm   | 24     |
| 425 µm   | 20     |
| 300 µm   | 16     |
| 212 µm   | 14     |
| 150 µm   | 13     |
| 63 µm    | 11     |



| Particle Proportions |      |
|----------------------|------|
| Cobbles              | 0.0  |
| Gravel               | 70.6 |
| Sand                 | 18.1 |
| Silt & Clay          | 11.3 |

Tested by TH  
Checked and Approved by  
  
S Burke - Senior Technician  
17/07/2024

Project Number:  
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610344**



## PARTICLE SIZE DISTRIBUTION

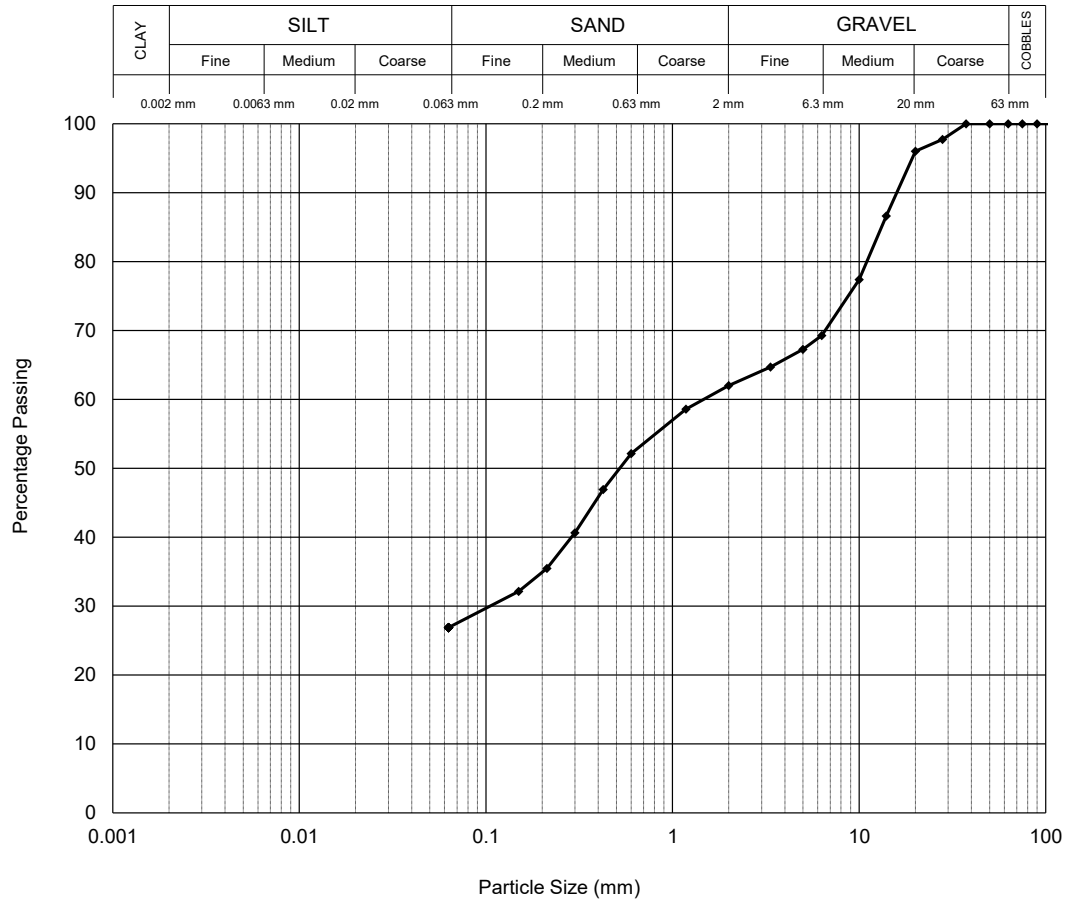
Location WS112  
Sample Depth 0.80 m  
Sample Type B

## Description

Brown sandy gravelly silty CLAY.

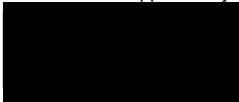
## BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve

| Sieve    |        |
|----------|--------|
| Size     | % Pass |
| 200.0 mm | 100    |
| 125.0 mm | 100    |
| 90.0 mm  | 100    |
| 75.0 mm  | 100    |
| 63.0 mm  | 100    |
| 50.0 mm  | 100    |
| 37.5 mm  | 100    |
| 28.0 mm  | 98     |
| 20.0 mm  | 96     |
| 14.0 mm  | 87     |
| 10.0 mm  | 77     |
| 6.30 mm  | 69     |
| 5.00 mm  | 67     |
| 3.35 mm  | 65     |
| 2.00 mm  | 62     |
| 1.18 mm  | 59     |
| 600 µm   | 52     |
| 425 µm   | 47     |
| 300 µm   | 41     |
| 212 µm   | 35     |
| 150 µm   | 32     |
| 63 µm    | 27     |



| Particle Proportions |      |
|----------------------|------|
| Cobbles              | 0.0  |
| Gravel               | 38.0 |
| Sand                 | 35.1 |
| Silt & Clay          | 26.9 |

Tested by TH  
Checked and Approved by



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17/07/2024

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SHINFIELD PARK, READING  
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**PARTICLE SIZE DISTRIBUTION**

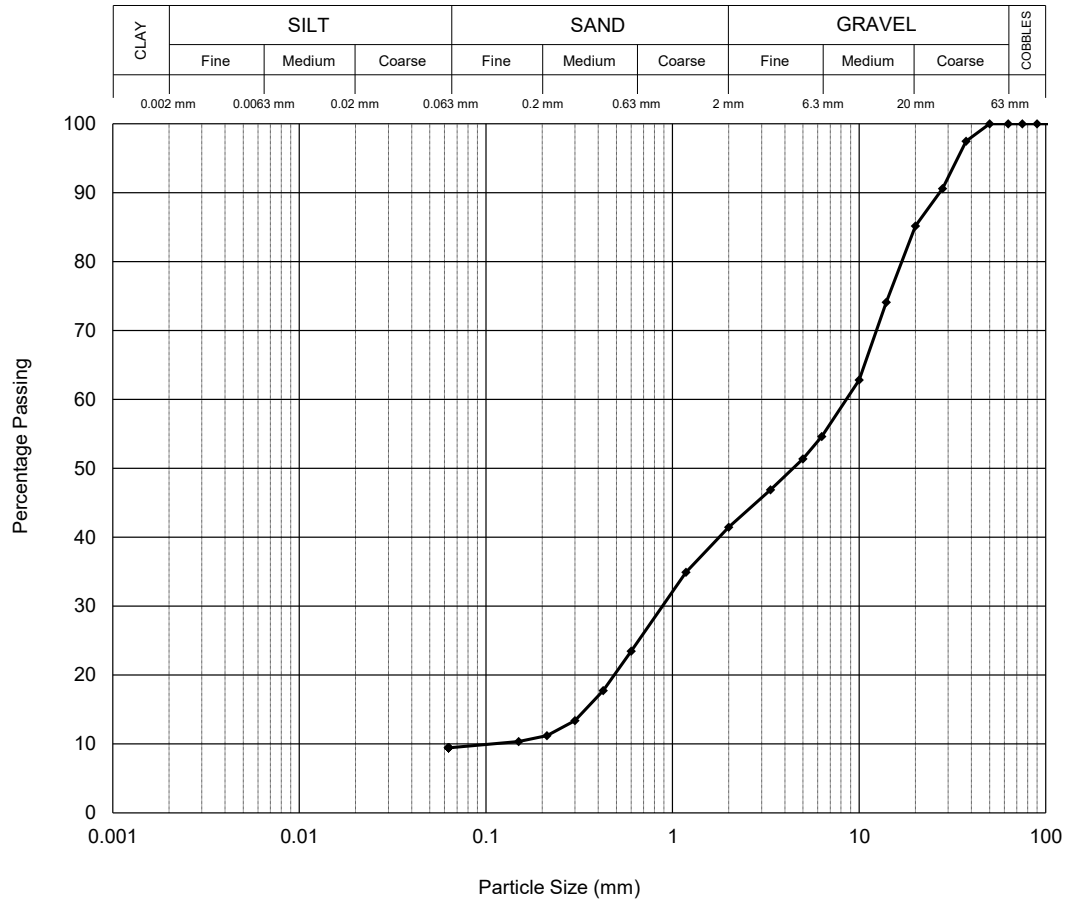
Location WS112  
Sample Depth 0.90 m  
Sample Type B

## Description

Brown clayey silty very sandy GRAVEL.

## BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve

| Sieve    |        |
|----------|--------|
| Size     | % Pass |
| 200.0 mm | 100    |
| 125.0 mm | 100    |
| 90.0 mm  | 100    |
| 75.0 mm  | 100    |
| 63.0 mm  | 100    |
| 50.0 mm  | 100    |
| 37.5 mm  | 97     |
| 28.0 mm  | 91     |
| 20.0 mm  | 85     |
| 14.0 mm  | 74     |
| 10.0 mm  | 63     |
| 6.30 mm  | 55     |
| 5.00 mm  | 51     |
| 3.35 mm  | 47     |
| 2.00 mm  | 41     |
| 1.18 mm  | 35     |
| 600 µm   | 23     |
| 425 µm   | 18     |
| 300 µm   | 13     |
| 212 µm   | 11     |
| 150 µm   | 10     |
| 63 µm    | 9      |



| Particle Proportions |      |
|----------------------|------|
| Cobbles              | 0.0  |
| Gravel               | 58.5 |
| Sand                 | 32.0 |
| Silt & Clay          | 9.5  |

Tested by TH  
Checked and Approved by



S Burke - Senior Technician  
17/07/2024

Project Number:

**GEO / 40765**

Project Name:

**SHINFIELD PARK, READING  
610344**

**PARTICLE SIZE DISTRIBUTION**

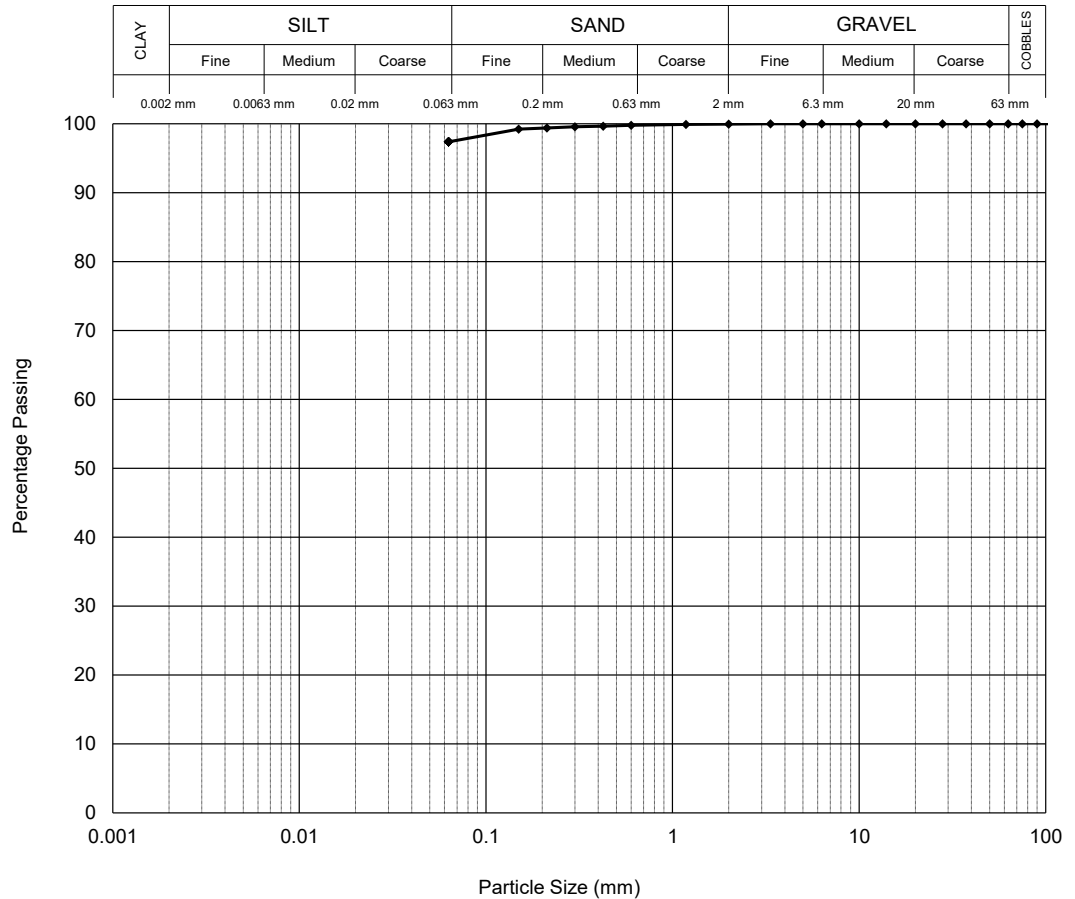
Location WS112  
Sample Depth 2.50 m  
Sample Type B

## Description

Brown silty CLAY.

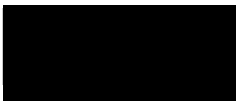
## BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve

| Sieve    |        |
|----------|--------|
| Size     | % Pass |
| 200.0 mm | 100    |
| 125.0 mm | 100    |
| 90.0 mm  | 100    |
| 75.0 mm  | 100    |
| 63.0 mm  | 100    |
| 50.0 mm  | 100    |
| 37.5 mm  | 100    |
| 28.0 mm  | 100    |
| 20.0 mm  | 100    |
| 14.0 mm  | 100    |
| 10.0 mm  | 100    |
| 6.30 mm  | 100    |
| 5.00 mm  | 100    |
| 3.35 mm  | 100    |
| 2.00 mm  | 100    |
| 1.18 mm  | 100    |
| 600 µm   | 100    |
| 425 µm   | 100    |
| 300 µm   | 100    |
| 212 µm   | 99     |
| 150 µm   | 99     |
| 63 µm    | 97     |



| Particle Proportions |      |
|----------------------|------|
| Cobbles              | 0.0  |
| Gravel               | 0.1  |
| Sand                 | 2.6  |
| Silt & Clay          | 97.3 |

Tested by TH  
Checked and Approved by



S Burke - Senior Technician  
17/07/2024

Project Number:

**GEO / 40765**

Project Name:

**SHINFIELD PARK, READING  
610344**

## **Annex F: Laboratory Chemical Data**

TRC Companies Ltd  
20 Red Lion Street, London  
WC1R 4PQ

i2 Analytical Ltd.  
7 Woodshots Meadow,  
Croxley Green  
Business Park,  
Watford,  
Herts,  
WD18 8YS

e: snichols@trccompanies.com

t: 01923 225404  
f: 01923 237404  
e: reception@i2analytical.com

## **Analytical Report Number : 24-027382**

|                             |                         |                                                        |            |
|-----------------------------|-------------------------|--------------------------------------------------------|------------|
| <b>Project / Site name:</b> | Shinfield Park, Reading | <b>Samples received on:</b>                            | 21.06.2024 |
| <b>Your job number:</b>     | 610344                  | <b>Samples instructed on/<br/>Analysis started on:</b> | 26.06.2024 |
| <b>Your order number:</b>   | 610344                  | <b>Analysis completed by:</b>                          | 05.07.2024 |
| <b>Report Issue Number:</b> | 1                       | <b>Report issued on:</b>                               | 05.07.2024 |
| <b>Samples Analysed:</b>    | 1 soil sample           |                                                        |            |

**Signed:**



Rafał Szczepańczyk  
Technical Reviewer  
**For & on behalf of i2 Analytical Ltd.**

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting  
leachates - 2 weeks from reporting  
waters - 2 weeks from reporting  
asbestos - 6 months from reporting

Excel copies of reports are only valid when accompanied by this PDF certificate.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.  
Application of uncertainty of measurement would provide a range within which the true result lies.  
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 24-027382  
Project / Site name: Shinfield Park, Reading  
Your Order No: 610344

|                                         |               |                    |                         |  |
|-----------------------------------------|---------------|--------------------|-------------------------|--|
| Lab Sample Number                       | 239492        |                    |                         |  |
| Sample Reference                        | WS106         |                    |                         |  |
| Sample Number                           | None Supplied |                    |                         |  |
| Depth (m)                               | 2.20          |                    |                         |  |
| Date Sampled                            | 21/06/2024    |                    |                         |  |
| Time Taken                              | None Supplied |                    |                         |  |
| Analytical Parameter<br>(Soil Analysis) | Units         | Limit of detection | Accreditation<br>Status |  |

|                               |    |      |      |       |
|-------------------------------|----|------|------|-------|
| Stone Content                 | %  | 0.1  | NONE | < 0.1 |
| Moisture Content              | %  | 0.01 | NONE | 18    |
| Total mass of sample received | kg | 0.1  | NONE | 1.1   |

#### Asbestos

|                                        |      |     |           |              |
|----------------------------------------|------|-----|-----------|--------------|
| Asbestos in Soil Detected/Not Detected | Type | N/A | ISO 17025 | Not-detected |
| Asbestos Analyst ID                    | N/A  | N/A | N/A       | MUA          |

#### General Inorganics

|                                                                         |          |      |        |       |
|-------------------------------------------------------------------------|----------|------|--------|-------|
| pH (L099)                                                               | pH Units | N/A  | MCERTS | 7.9   |
| Total Cyanide                                                           | mg/kg    | 1    | MCERTS | < 1.0 |
| Water Soluble Sulphate as SO <sub>4</sub> 16hr extraction (2:1)         | mg/kg    | 2.5  | MCERTS | 5300  |
| Water Soluble SO <sub>4</sub> 16hr extraction (2:1 Leachate Equivalent) | mg/l     | 1.25 | MCERTS | 2650  |
| Organic Matter (automated)                                              | %        | 0.1  | MCERTS | 0.9   |
| Total Organic Carbon (TOC) - Automated                                  | %        | 0.1  | MCERTS | 0.5   |

#### Speciated PAHs

|                        |       |      |           |        |
|------------------------|-------|------|-----------|--------|
| Naphthalene            | mg/kg | 0.05 | MCERTS    | < 0.05 |
| Acenaphthylene         | mg/kg | 0.05 | MCERTS    | < 0.05 |
| Acenaphthene           | mg/kg | 0.05 | MCERTS    | < 0.05 |
| Fluorene               | mg/kg | 0.05 | MCERTS    | < 0.05 |
| Phenanthrene           | mg/kg | 0.05 | MCERTS    | 0.09   |
| Anthracene             | mg/kg | 0.05 | MCERTS    | < 0.05 |
| Fluoranthene           | mg/kg | 0.05 | MCERTS    | 0.18   |
| Pyrene                 | mg/kg | 0.05 | MCERTS    | 0.13   |
| Benzo(a)anthracene     | mg/kg | 0.05 | MCERTS    | < 0.05 |
| Chrysene               | mg/kg | 0.05 | MCERTS    | 0.09   |
| Benzo(b)fluoranthene   | mg/kg | 0.05 | ISO 17025 | 0.09   |
| Benzo(k)fluoranthene   | mg/kg | 0.05 | ISO 17025 | 0.06   |
| Benzo(a)pyrene         | mg/kg | 0.05 | MCERTS    | < 0.05 |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.05 | MCERTS    | < 0.05 |
| Dibenz(a,h)anthracene  | mg/kg | 0.05 | MCERTS    | < 0.05 |
| Benzo(ghi)perylene     | mg/kg | 0.05 | MCERTS    | < 0.05 |

#### Total PAH

|                             |       |     |           |        |
|-----------------------------|-------|-----|-----------|--------|
| Speciated Total EPA-16 PAHs | mg/kg | 0.8 | ISO 17025 | < 0.80 |
|-----------------------------|-------|-----|-----------|--------|

#### Heavy Metals / Metalloids

|                                   |       |     |        |       |
|-----------------------------------|-------|-----|--------|-------|
| Arsenic (aqua regia extractable)  | mg/kg | 1   | MCERTS | 14    |
| Boron (water soluble)             | mg/kg | 0.2 | MCERTS | 0.5   |
| Cadmium (aqua regia extractable)  | mg/kg | 0.2 | MCERTS | < 0.2 |
| Chromium (hexavalent)             | mg/kg | 1.8 | MCERTS | < 1.8 |
| Chromium (III)                    | mg/kg | 1   | NONE   | 48    |
| Chromium (aqua regia extractable) | mg/kg | 1   | MCERTS | 48    |
| Copper (aqua regia extractable)   | mg/kg | 1   | MCERTS | 26    |
| Lead (aqua regia extractable)     | mg/kg | 1   | MCERTS | 20    |
| Mercury (aqua regia extractable)  | mg/kg | 0.3 | MCERTS | < 0.3 |
| Nickel (aqua regia extractable)   | mg/kg | 1   | MCERTS | 34    |
| Selenium (aqua regia extractable) | mg/kg | 1   | MCERTS | < 1.0 |
| Zinc (aqua regia extractable)     | mg/kg | 1   | MCERTS | 80    |

Analytical Report Number: 24-027382  
 Project / Site name: Shinfield Park, Reading  
 Your Order No: 610344

|                                         |       |                    |                         |               |
|-----------------------------------------|-------|--------------------|-------------------------|---------------|
| Lab Sample Number                       |       |                    |                         | 239492        |
| Sample Reference                        |       |                    |                         | WS106         |
| Sample Number                           |       |                    |                         | None Supplied |
| Depth (m)                               |       |                    |                         | 2.20          |
| Date Sampled                            |       |                    |                         | 21/06/2024    |
| Time Taken                              |       |                    |                         | None Supplied |
| Analytical Parameter<br>(Soil Analysis) | Units | Limit of detection | Accreditation<br>Status |               |
|                                         |       |                    |                         |               |
|                                         |       |                    |                         |               |
|                                         |       |                    |                         |               |
|                                         |       |                    |                         |               |

#### Petroleum Hydrocarbons

|                                                          |       |      |        |         |
|----------------------------------------------------------|-------|------|--------|---------|
| TPHCWG - Aliphatic >EC5 - EC6 <sub>HS_1D_AL</sub>        | mg/kg | 0.02 | NONE   | < 0.020 |
| TPHCWG - Aliphatic >EC6 - EC8 <sub>HS_1D_AL</sub>        | mg/kg | 0.02 | NONE   | < 0.020 |
| TPHCWG - Aliphatic >EC8 - EC10 <sub>HS_1D_AL</sub>       | mg/kg | 0.05 | NONE   | < 0.050 |
| TPHCWG - Aliphatic >EC10 - EC12 <sub>EH_CU_1D_AL</sub>   | mg/kg | 1    | MCERTS | < 1.0   |
| TPHCWG - Aliphatic >EC12 - EC16 <sub>EH_CU_1D_AL</sub>   | mg/kg | 2    | MCERTS | < 2.0   |
| TPHCWG - Aliphatic >EC16 - EC21 <sub>EH_CU_1D_AL</sub>   | mg/kg | 8    | MCERTS | < 8.0   |
| TPHCWG - Aliphatic >EC21 - EC35 <sub>EH_CU_1D_AL</sub>   | mg/kg | 8    | MCERTS | < 8.0   |
| TPHCWG - Aliphatic >EC5 - EC35 <sub>EH_CU+HS_1D_AL</sub> | mg/kg | 10   | NONE   | < 10    |

|                                                         |       |      |        |         |
|---------------------------------------------------------|-------|------|--------|---------|
| TPHCWG - Aromatic >EC5 - EC7 <sub>HS_1D_AR</sub>        | mg/kg | 0.01 | NONE   | < 0.010 |
| TPHCWG - Aromatic >EC7 - EC8 <sub>HS_1D_AR</sub>        | mg/kg | 0.01 | NONE   | < 0.010 |
| TPHCWG - Aromatic >EC8 - EC10 <sub>HS_1D_AR</sub>       | mg/kg | 0.05 | NONE   | < 0.050 |
| TPHCWG - Aromatic >EC10 - EC12 <sub>EH_CU_1D_AR</sub>   | mg/kg | 1    | MCERTS | < 1.0   |
| TPHCWG - Aromatic >EC12 - EC16 <sub>EH_CU_1D_AR</sub>   | mg/kg | 2    | MCERTS | < 2.0   |
| TPHCWG - Aromatic >EC16 - EC21 <sub>EH_CU_1D_AR</sub>   | mg/kg | 10   | MCERTS | < 10    |
| TPHCWG - Aromatic >EC21 - EC35 <sub>EH_CU_1D_AR</sub>   | mg/kg | 10   | MCERTS | 39      |
| TPHCWG - Aromatic >EC5 - EC35 <sub>EH_CU+HS_1D_AR</sub> | mg/kg | 10   | NONE   | 39      |

|                                                              |       |   |           |       |
|--------------------------------------------------------------|-------|---|-----------|-------|
| Petroleum Range Organics (EC6 - EC10) <sub>HS_1D_TOTAL</sub> | mg/kg | 1 | ISO 17025 | < 1.0 |
|--------------------------------------------------------------|-------|---|-----------|-------|

#### VOCs

|                                    |       |   |        |       |
|------------------------------------|-------|---|--------|-------|
| MTBE (Methyl Tertiary Butyl Ether) | µg/kg | 5 | NONE   | < 5.0 |
| Benzene                            | µg/kg | 5 | MCERTS | < 5.0 |
| Toluene                            | µg/kg | 5 | MCERTS | < 5.0 |
| Ethylbenzene                       | µg/kg | 5 | MCERTS | < 5.0 |
| p & m-Xylene                       | µg/kg | 5 | MCERTS | < 5.0 |
| o-Xylene                           | µg/kg | 5 | MCERTS | < 5.0 |

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

**Analytical Report Number : 24-027382**

**Project / Site name: Shinfield Park, Reading**

\* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

| Lab Sample Number | Sample Reference | Sample Number | Depth (m) | Sample Description * |
|-------------------|------------------|---------------|-----------|----------------------|
| 239492            | WS106            | None Supplied | 2.2       | Brown clay           |

**Analytical Report Number : 24-027382**

**Project / Site name: Shinfield Park, Reading**

**Water matrix abbreviations:**

**Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)**

| Analytical Test Name                                                        | Analytical Method Description                                                                                                                       | Analytical Method Reference                                                                            | Method number | Wet / Dry Analysis | Accreditation Status |
|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|---------------|--------------------|----------------------|
| Asbestos identification in Soil                                             | Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques                               | In-house method based on HSG 248, 2021                                                                 | A001B         | D                  | ISO 17025            |
| Organic matter (Automated) in soil                                          | Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method) | In-house method                                                                                        | L009B         | D                  | MCERTS               |
| Total organic carbon (Automated) in soil                                    | Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method) | In-house method                                                                                        | L009B         | D                  | MCERTS               |
| Moisture Content                                                            | Moisture content, determined gravimetrically (up to 30°C)                                                                                           | In-house method                                                                                        | L019B         | W                  | NONE                 |
| Stones content of soil                                                      | Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight                          | In-house method based on British Standard Methods and MCERTS requirements.                             | L019B         | D                  | NONE                 |
| Metals in soil by ICP-OES                                                   | Determination of metals in soil by aqua-regia digestion followed by ICP-OES                                                                         | In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil                    | L038B         | D                  | MCERTS               |
| Boron, water soluble, in soil                                               | Determination of water soluble boron in soil by hot water extract followed by ICP-OES                                                               | In-house method based on Second Site Properties version 3                                              | L038B         | D                  | MCERTS               |
| Sulphate, water soluble, in soil (16hr extraction)                          | Sulphate, water soluble, in soil (16hr extraction)                                                                                                  | In-house method                                                                                        | L038B         | D                  | MCERTS               |
| Speciated PAHs and/or Semi-volatile organic compounds in soil               | Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS              | In-house method based on USEPA 8270                                                                    | L064B         | D                  | MCERTS               |
| BTEX and/or Volatile organic compounds in soil                              | Determination of volatile organic compounds in soil by headspace GC-MS                                                                              | In-house method based on USEPA 8260                                                                    | L073B         | W                  | MCERTS               |
| Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil | Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS with carbon banding aliphatic and aromatic                                 | In-house method                                                                                        | L076B/L088    | D/W                | MCERTS               |
| Chromium III in soil                                                        | In-house method by calculation from total Cr and Cr VI                                                                                              | In-house method by calculation                                                                         | L080          | W                  | NONE                 |
| Hexavalent chromium in soil                                                 | Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry                    | In-house method                                                                                        | L080          | W                  | MCERTS               |
| Total cyanide in soil                                                       | Determination of total cyanide by distillation followed by colorimetry                                                                              | In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton | L080          | W                  | MCERTS               |
| Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil                     | Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS                                                                            | In-house method                                                                                        | L129B         | D/W                | ISO 17025            |

Analytical Report Number : 24-027382

Project / Site name: Shinfield Park, Reading

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

| Analytical Test Name   | Analytical Method Description                                                                    | Analytical Method Reference | Method number | Wet / Dry Analysis | Accreditation Status |
|------------------------|--------------------------------------------------------------------------------------------------|-----------------------------|---------------|--------------------|----------------------|
| pH in soil (automated) | Determination of pH in soil by addition of water followed by automated electrometric measurement | In-house method             | L099          | D                  | MCERTS               |

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

## Information in Support of Analytical Results

### List of HWOL Acronyms and Operators

| Acronym | Descriptions                                                           |
|---------|------------------------------------------------------------------------|
| HS      | Headspace Analysis                                                     |
| MS      | Mass spectrometry                                                      |
| FID     | Flame Ionisation Detector                                              |
| GC      | Gas Chromatography                                                     |
| EH      | Extractable Hydrocarbons (i.e. everything extracted by the solvent(s)) |
| CU      | Clean-up - e.g. by Florisil®, silica gel                               |
| 1D      | GC - Single coil/column gas chromatography                             |
| 2D      | GC-GC - Double coil/column gas chromatography                          |
| Total   | Aliphatics & Aromatics                                                 |
| AL      | Aliphatics                                                             |
| AR      | Aromatics                                                              |
| #1      | EH_2D_Total but with humics mathematically subtracted                  |
| #2      | EH_2D_Total but with fatty acids mathematically subtracted             |
| -       | Operator - underscore to separate acronyms (exception for +)           |
| +       | Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total     |

Quality control parameter failure associated with individual result applies to calculated sum of individuals.

The result for sum should be interpreted with caution

TRC Companies Ltd  
20 Red Lion Street, London  
WC1R 4PQ

i2 Analytical Ltd.  
7 Woodshots Meadow,  
Croxley Green  
Business Park,  
Watford,  
Herts,  
WD18 8YS

t: 01923 225404  
f: 01923 237404  
e: reception@i2analytical.com

e: snichols@trccompanies.com

## **Analytical Report Number : 24-027591**

|                             |                        |                                                        |            |
|-----------------------------|------------------------|--------------------------------------------------------|------------|
| <b>Project / Site name:</b> | Shinfield Park Reading | <b>Samples received on:</b>                            | 20/06/2024 |
| <b>Your job number:</b>     | 610344                 | <b>Samples instructed on/<br/>Analysis started on:</b> | 27/06/2024 |
| <b>Your order number:</b>   | 610344                 | <b>Analysis completed by:</b>                          | 08/07/2024 |
| <b>Report Issue Number:</b> | 1                      | <b>Report issued on:</b>                               | 09/07/2024 |
| <b>Samples Analysed:</b>    | 17 soil samples        |                                                        |            |

**Signed:**

Izabela Wójcik  
Senior Reporting Specialist  
**For & on behalf of i2 Analytical Ltd.**

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting  
leachates - 2 weeks from reporting  
waters - 2 weeks from reporting  
asbestos - 6 months from reporting

Excel copies of reports are only valid when accompanied by this PDF certificate.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.  
Application of uncertainty of measurement would provide a range within which the true result lies.  
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 24-027591  
Project / Site name: Shinfield Park Reading  
Your Order No: 610344

| Lab Sample Number                       |  |  |  | 240513        | 240514             | 240515               | 240516        | 240517        |
|-----------------------------------------|--|--|--|---------------|--------------------|----------------------|---------------|---------------|
| Sample Reference                        |  |  |  | WS101         | WS101              | WS102                | WS102         | WS103         |
| Sample Number                           |  |  |  | None Supplied | None Supplied      | None Supplied        | None Supplied | None Supplied |
| Depth (m)                               |  |  |  | 0.25          | 1.20               | 0.50                 | 0.90          | 0.20          |
| Date Sampled                            |  |  |  | 19/06/2024    | 19/06/2024         | 19/06/2024           | 19/06/2024    | 20/06/2024    |
| Time Taken                              |  |  |  | None Supplied | None Supplied      | None Supplied        | None Supplied | None Supplied |
| Analytical Parameter<br>(Soil Analysis) |  |  |  | Units         | Limit of detection | Accreditation Status |               |               |

|                               |    |      |      |     |       |     |       |       |
|-------------------------------|----|------|------|-----|-------|-----|-------|-------|
| Stone Content                 | %  | 0.1  | NONE | 71  | < 0.1 | 75  | < 0.1 | < 0.1 |
| Moisture Content              | %  | 0.01 | NONE | 2.7 | 19    | 4   | 20    | 3.5   |
| Total mass of sample received | kg | 0.1  | NONE | 1.2 | 1.1   | 1.2 | 1.1   | 1.1   |

#### Asbestos

|                                        |      |     |           |              |              |              |   |              |
|----------------------------------------|------|-----|-----------|--------------|--------------|--------------|---|--------------|
| Asbestos in Soil Detected/Not Detected | Type | N/A | ISO 17025 | Not-detected | Not-detected | Not-detected | - | Not-detected |
| Asbestos Analyst ID                    | N/A  | N/A | N/A       | IZJ          | IZJ          | IZJ          | - | IZJ          |

#### General Inorganics

|                                                                         |          |      |        |       |     |      |     |     |
|-------------------------------------------------------------------------|----------|------|--------|-------|-----|------|-----|-----|
| pH (L099)                                                               | pH Units | N/A  | MCERTS | 9.9   | 8.2 | 10.7 | 8.1 | 8.3 |
| Total Cyanide                                                           | mg/kg    | 1    | MCERTS | < 1.0 | -   | -    | -   | -   |
| Water Soluble Sulphate as SO <sub>4</sub> 16hr extraction (2:1)         | mg/kg    | 2.5  | MCERTS | 360   | -   | -    | -   | -   |
| Water Soluble SO <sub>4</sub> 16hr extraction (2:1 Leachate Equivalent) | mg/l     | 1.25 | MCERTS | 182   | -   | -    | -   | -   |
| Organic Matter (automated)                                              | %        | 0.1  | MCERTS | 0.6   | -   | -    | -   | -   |
| Total Organic Carbon (TOC) - Automated                                  | %        | 0.1  | MCERTS | 0.4   | -   | -    | -   | -   |

#### Speciated PAHs

|                        |       |      |           |        |        |        |        |        |
|------------------------|-------|------|-----------|--------|--------|--------|--------|--------|
| Naphthalene            | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Acenaphthylene         | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Acenaphthene           | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Fluorene               | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Phenanthrene           | mg/kg | 0.05 | MCERTS    | 0.1    | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Anthracene             | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Fluoranthene           | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Pyrene                 | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(a)anthracene     | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Chrysene               | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(b)fluoranthene   | mg/kg | 0.05 | ISO 17025 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(k)fluoranthene   | mg/kg | 0.05 | ISO 17025 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(a)pyrene         | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Dibenz(a,h)anthracene  | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(ghi)perylene     | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |

#### Total PAH

|                             |       |     |           |        |        |        |        |        |
|-----------------------------|-------|-----|-----------|--------|--------|--------|--------|--------|
| Speciated Total EPA-16 PAHs | mg/kg | 0.8 | ISO 17025 | < 0.80 | < 0.80 | < 0.80 | < 0.80 | < 0.80 |
|-----------------------------|-------|-----|-----------|--------|--------|--------|--------|--------|

Analytical Report Number: 24-027591  
Project / Site name: Shinfield Park Reading  
Your Order No: 610344

| Lab Sample Number                       | 240513        | 240514             | 240515                  | 240516        | 240517        |
|-----------------------------------------|---------------|--------------------|-------------------------|---------------|---------------|
| Sample Reference                        | WS101         | WS101              | WS102                   | WS102         | WS103         |
| Sample Number                           | None Supplied | None Supplied      | None Supplied           | None Supplied | None Supplied |
| Depth (m)                               | 0.25          | 1.20               | 0.50                    | 0.90          | 0.20          |
| Date Sampled                            | 19/06/2024    | 19/06/2024         | 19/06/2024              | 19/06/2024    | 20/06/2024    |
| Time Taken                              | None Supplied | None Supplied      | None Supplied           | None Supplied | None Supplied |
| Analytical Parameter<br>(Soil Analysis) | Units         | Limit of detection | Accreditation<br>Status |               |               |

#### Heavy Metals / Metalloids

|                                   |       |     |        |       |       |       |       |       |
|-----------------------------------|-------|-----|--------|-------|-------|-------|-------|-------|
| Arsenic (aqua regia extractable)  | mg/kg | 1   | MCERTS | 11    | 21    | 6.5   | 15    | 8.3   |
| Boron (water soluble)             | mg/kg | 0.2 | MCERTS | 0.5   | 0.3   | 1.1   | 0.3   | < 0.2 |
| Cadmium (aqua regia extractable)  | mg/kg | 0.2 | MCERTS | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 |
| Chromium (hexavalent)             | mg/kg | 1.8 | MCERTS | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| Chromium (III)                    | mg/kg | 1   | NONE   | 7.2   | 51    | 15    | 49    | 9.6   |
| Chromium (aqua regia extractable) | mg/kg | 1   | MCERTS | 7.2   | 51    | 15    | 49    | 9.6   |
| Copper (aqua regia extractable)   | mg/kg | 1   | MCERTS | 3     | 23    | 5.1   | 19    | 5.4   |
| Lead (aqua regia extractable)     | mg/kg | 1   | MCERTS | 8.4   | 17    | 4.6   | 15    | 5.2   |
| Mercury (aqua regia extractable)  | mg/kg | 0.3 | MCERTS | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 |
| Nickel (aqua regia extractable)   | mg/kg | 1   | MCERTS | 5.5   | 41    | 8.7   | 40    | 9.5   |
| Selenium (aqua regia extractable) | mg/kg | 1   | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Zinc (aqua regia extractable)     | mg/kg | 1   | MCERTS | 52    | 83    | 18    | 70    | 19    |

#### Petroleum Hydrocarbons

|                                               |       |      |        |         |         |         |         |         |
|-----------------------------------------------|-------|------|--------|---------|---------|---------|---------|---------|
| TPHCWG - Aliphatic >EC5 - EC6 HS_1D_AL        | mg/kg | 0.02 | NONE   | < 0.020 | < 0.020 | < 0.020 | < 0.020 | < 0.020 |
| TPHCWG - Aliphatic >EC6 - EC8 HS_1D_AL        | mg/kg | 0.02 | NONE   | < 0.020 | < 0.020 | < 0.020 | < 0.020 | < 0.020 |
| TPHCWG - Aliphatic >EC8 - EC10 HS_1D_AL       | mg/kg | 0.05 | NONE   | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 |
| TPHCWG - Aliphatic >EC10 - EC12 EH_CU_1D_AL   | mg/kg | 1    | MCERTS | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   |
| TPHCWG - Aliphatic >EC12 - EC16 EH_CU_1D_AL   | mg/kg | 2    | MCERTS | 7.1     | < 2.0   | < 2.0   | < 2.0   | < 2.0   |
| TPHCWG - Aliphatic >EC16 - EC21 EH_CU_1D_AL   | mg/kg | 8    | MCERTS | 34      | < 8.0   | < 8.0   | < 8.0   | < 8.0   |
| TPHCWG - Aliphatic >EC21 - EC35 EH_CU_1D_AL   | mg/kg | 8    | MCERTS | 220     | < 8.0   | < 8.0   | < 8.0   | < 8.0   |
| TPHCWG - Aliphatic >EC5 - EC35 EH_CU+HS_1D_AL | mg/kg | 10   | NONE   | 260     | < 10    | < 10    | < 10    | < 10    |

|                                              |       |      |        |         |         |         |         |         |
|----------------------------------------------|-------|------|--------|---------|---------|---------|---------|---------|
| TPHCWG - Aromatic >EC5 - EC7 HS_1D_AR        | mg/kg | 0.01 | NONE   | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aromatic >EC7 - EC8 HS_1D_AR        | mg/kg | 0.01 | NONE   | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aromatic >EC8 - EC10 HS_1D_AR       | mg/kg | 0.05 | NONE   | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 |
| TPHCWG - Aromatic >EC10 - EC12 EH_CU_1D_AR   | mg/kg | 1    | MCERTS | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   |
| TPHCWG - Aromatic >EC12 - EC16 EH_CU_1D_AR   | mg/kg | 2    | MCERTS | 2.4     | < 2.0   | < 2.0   | < 2.0   | < 2.0   |
| TPHCWG - Aromatic >EC16 - EC21 EH_CU_1D_AR   | mg/kg | 10   | MCERTS | < 10    | < 10    | < 10    | < 10    | < 10    |
| TPHCWG - Aromatic >EC21 - EC35 EH_CU_1D_AR   | mg/kg | 10   | MCERTS | 200     | < 10    | < 10    | < 10    | < 10    |
| TPHCWG - Aromatic >EC5 - EC35 EH_CU+HS_1D_AR | mg/kg | 10   | NONE   | 200     | < 10    | < 10    | < 10    | < 10    |

|                                                   |       |   |           |       |   |   |   |   |
|---------------------------------------------------|-------|---|-----------|-------|---|---|---|---|
| Petroleum Range Organics (EC6 - EC10) HS_1D_TOTAL | mg/kg | 1 | ISO 17025 | < 1.0 | - | - | - | - |
|---------------------------------------------------|-------|---|-----------|-------|---|---|---|---|

#### VOCs

|                                    |       |   |        |       |       |       |       |       |
|------------------------------------|-------|---|--------|-------|-------|-------|-------|-------|
| MTBE (Methyl Tertiary Butyl Ether) | µg/kg | 5 | NONE   | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |
| Benzene                            | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |
| Toluene                            | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |
| Ethylbenzene                       | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |
| p & m-Xylene                       | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |
| o-Xylene                           | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 24-027591  
Project / Site name: Shinfield Park Reading  
Your Order No: 610344

| Lab Sample Number                       | 240518        | 240519             | 240520                  | 240521        | 240522        |
|-----------------------------------------|---------------|--------------------|-------------------------|---------------|---------------|
| Sample Reference                        | WS103         | WS104              | WS104                   | WS105         | WS105         |
| Sample Number                           | None Supplied | None Supplied      | None Supplied           | None Supplied | None Supplied |
| Depth (m)                               | 1.10          | 0.50               | 1.40                    | 0.25          | 0.70          |
| Date Sampled                            | 20/06/2024    | 20/06/2024         | 20/06/2024              | 20/06/2024    | 20/06/2024    |
| Time Taken                              | None Supplied | None Supplied      | None Supplied           | None Supplied | None Supplied |
| Analytical Parameter<br>(Soil Analysis) | Units         | Limit of detection | Accreditation<br>Status |               |               |

|                               |    |      |      |       |       |       |      |       |
|-------------------------------|----|------|------|-------|-------|-------|------|-------|
| Stone Content                 | %  | 0.1  | NONE | < 0.1 | < 0.1 | < 0.1 | 59.6 | < 0.1 |
| Moisture Content              | %  | 0.01 | NONE | 17    | 8.9   | 17    | 4.4  | 17    |
| Total mass of sample received | kg | 0.1  | NONE | 1.1   | 1.1   | 1.2   | 1.1  | 1.1   |

#### Asbestos

|                                        |      |     |           |   |              |   |              |              |
|----------------------------------------|------|-----|-----------|---|--------------|---|--------------|--------------|
| Asbestos in Soil Detected/Not Detected | Type | N/A | ISO 17025 | - | Not-detected | - | Not-detected | Not-detected |
| Asbestos Analyst ID                    | N/A  | N/A | N/A       | - | IZJ          | - | IZJ          | IZJ          |

#### General Inorganics

|                                                                         |          |      |        |     |     |     |     |       |
|-------------------------------------------------------------------------|----------|------|--------|-----|-----|-----|-----|-------|
| pH (L099)                                                               | pH Units | N/A  | MCERTS | 6.4 | 6.8 | 7.7 | 9.3 | 7.9   |
| Total Cyanide                                                           | mg/kg    | 1    | MCERTS | -   | -   | -   | -   | < 1.0 |
| Water Soluble Sulphate as SO <sub>4</sub> 16hr extraction (2:1)         | mg/kg    | 2.5  | MCERTS | -   | -   | -   | -   | 170   |
| Water Soluble SO <sub>4</sub> 16hr extraction (2:1 Leachate Equivalent) | mg/l     | 1.25 | MCERTS | -   | -   | -   | -   | 83.6  |
| Organic Matter (automated)                                              | %        | 0.1  | MCERTS | -   | -   | -   | -   | 1.2   |
| Total Organic Carbon (TOC) - Automated                                  | %        | 0.1  | MCERTS | -   | -   | -   | -   | 0.7   |

#### Speciated PAHs

|                        |       |      |           |        |        |        |        |        |
|------------------------|-------|------|-----------|--------|--------|--------|--------|--------|
| Naphthalene            | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Acenaphthylene         | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Acenaphthene           | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Fluorene               | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Phenanthrene           | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | 0.12   |
| Anthracene             | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Fluoranthene           | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | 0.2    |
| Pyrene                 | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | 0.19   |
| Benzo(a)anthracene     | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | 0.12   |
| Chrysene               | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | 0.15   |
| Benzo(b)fluoranthene   | mg/kg | 0.05 | ISO 17025 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(k)fluoranthene   | mg/kg | 0.05 | ISO 17025 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(a)pyrene         | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Dibenz(a,h)anthracene  | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(ghi)perylene     | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |

#### Total PAH

|                             |       |     |           |        |        |        |        |        |
|-----------------------------|-------|-----|-----------|--------|--------|--------|--------|--------|
| Speciated Total EPA-16 PAHs | mg/kg | 0.8 | ISO 17025 | < 0.80 | < 0.80 | < 0.80 | < 0.80 | < 0.80 |
|-----------------------------|-------|-----|-----------|--------|--------|--------|--------|--------|

Analytical Report Number: 24-027591  
Project / Site name: Shinfield Park Reading  
Your Order No: 610344

| Lab Sample Number                       | 240518        | 240519             | 240520                  | 240521        | 240522        |
|-----------------------------------------|---------------|--------------------|-------------------------|---------------|---------------|
| Sample Reference                        | WS103         | WS104              | WS104                   | WS105         | WS105         |
| Sample Number                           | None Supplied | None Supplied      | None Supplied           | None Supplied | None Supplied |
| Depth (m)                               | 1.10          | 0.50               | 1.40                    | 0.25          | 0.70          |
| Date Sampled                            | 20/06/2024    | 20/06/2024         | 20/06/2024              | 20/06/2024    | 20/06/2024    |
| Time Taken                              | None Supplied | None Supplied      | None Supplied           | None Supplied | None Supplied |
| Analytical Parameter<br>(Soil Analysis) | Units         | Limit of detection | Accreditation<br>Status |               |               |

#### Heavy Metals / Metalloids

|                                   |       |     |        |       |       |       |       |       |
|-----------------------------------|-------|-----|--------|-------|-------|-------|-------|-------|
| Arsenic (aqua regia extractable)  | mg/kg | 1   | MCERTS | 11    | 4.8   | 13    | 5.4   | 14    |
| Boron (water soluble)             | mg/kg | 0.2 | MCERTS | 0.3   | 0.3   | 0.2   | 0.3   | 0.4   |
| Cadmium (aqua regia extractable)  | mg/kg | 0.2 | MCERTS | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 |
| Chromium (hexavalent)             | mg/kg | 1.8 | MCERTS | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| Chromium (III)                    | mg/kg | 1   | NONE   | 37    | 18    | 48    | 11    | 38    |
| Chromium (aqua regia extractable) | mg/kg | 1   | MCERTS | 37    | 18    | 48    | 11    | 38    |
| Copper (aqua regia extractable)   | mg/kg | 1   | MCERTS | 12    | 6.3   | 18    | 7.5   | 16    |
| Lead (aqua regia extractable)     | mg/kg | 1   | MCERTS | 14    | 11    | 14    | 22    | 49    |
| Mercury (aqua regia extractable)  | mg/kg | 0.3 | MCERTS | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 |
| Nickel (aqua regia extractable)   | mg/kg | 1   | MCERTS | 10    | 8     | 30    | 7.8   | 21    |
| Selenium (aqua regia extractable) | mg/kg | 1   | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Zinc (aqua regia extractable)     | mg/kg | 1   | MCERTS | 38    | 26    | 68    | 29    | 71    |

#### Petroleum Hydrocarbons

|                                                          |       |      |        |         |         |         |         |         |
|----------------------------------------------------------|-------|------|--------|---------|---------|---------|---------|---------|
| TPHCWG - Aliphatic >EC5 - EC6 <sub>HS_1D_AL</sub>        | mg/kg | 0.02 | NONE   | < 0.020 | < 0.020 | < 0.020 | < 0.020 | < 0.020 |
| TPHCWG - Aliphatic >EC6 - EC8 <sub>HS_1D_AL</sub>        | mg/kg | 0.02 | NONE   | < 0.020 | < 0.020 | < 0.020 | < 0.020 | < 0.020 |
| TPHCWG - Aliphatic >EC8 - EC10 <sub>HS_1D_AL</sub>       | mg/kg | 0.05 | NONE   | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 |
| TPHCWG - Aliphatic >EC10 - EC12 <sub>EH_CU_1D_AL</sub>   | mg/kg | 1    | MCERTS | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   |
| TPHCWG - Aliphatic >EC12 - EC16 <sub>EH_CU_1D_AL</sub>   | mg/kg | 2    | MCERTS | < 2.0   | < 2.0   | < 2.0   | 7.6     | 3.6     |
| TPHCWG - Aliphatic >EC16 - EC21 <sub>EH_CU_1D_AL</sub>   | mg/kg | 8    | MCERTS | < 8.0   | < 8.0   | < 8.0   | 15      | 24      |
| TPHCWG - Aliphatic >EC21 - EC35 <sub>EH_CU_1D_AL</sub>   | mg/kg | 8    | MCERTS | < 8.0   | < 8.0   | < 8.0   | 75      | 14      |
| TPHCWG - Aliphatic >EC5 - EC35 <sub>EH_CU+HS_1D_AL</sub> | mg/kg | 10   | NONE   | < 10    | < 10    | < 10    | 98      | 41      |

|                                                         |       |      |        |         |         |         |         |         |
|---------------------------------------------------------|-------|------|--------|---------|---------|---------|---------|---------|
| TPHCWG - Aromatic >EC5 - EC7 <sub>HS_1D_AR</sub>        | mg/kg | 0.01 | NONE   | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aromatic >EC7 - EC8 <sub>HS_1D_AR</sub>        | mg/kg | 0.01 | NONE   | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aromatic >EC8 - EC10 <sub>HS_1D_AR</sub>       | mg/kg | 0.05 | NONE   | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 |
| TPHCWG - Aromatic >EC10 - EC12 <sub>EH_CU_1D_AR</sub>   | mg/kg | 1    | MCERTS | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   |
| TPHCWG - Aromatic >EC12 - EC16 <sub>EH_CU_1D_AR</sub>   | mg/kg | 2    | MCERTS | < 2.0   | < 2.0   | < 2.0   | < 2.0   | < 2.0   |
| TPHCWG - Aromatic >EC16 - EC21 <sub>EH_CU_1D_AR</sub>   | mg/kg | 10   | MCERTS | < 10    | < 10    | < 10    | < 10    | < 10    |
| TPHCWG - Aromatic >EC21 - EC35 <sub>EH_CU_1D_AR</sub>   | mg/kg | 10   | MCERTS | < 10    | < 10    | < 10    | 150     | < 10    |
| TPHCWG - Aromatic >EC5 - EC35 <sub>EH_CU+HS_1D_AR</sub> | mg/kg | 10   | NONE   | < 10    | < 10    | < 10    | 150     | < 10    |

|                                                              |       |   |           |   |   |   |   |       |
|--------------------------------------------------------------|-------|---|-----------|---|---|---|---|-------|
| Petroleum Range Organics (EC6 - EC10) <sub>HS_1D_TOTAL</sub> | mg/kg | 1 | ISO 17025 | - | - | - | - | < 1.0 |
|--------------------------------------------------------------|-------|---|-----------|---|---|---|---|-------|

#### VOCs

|                                    |       |   |        |       |       |       |       |       |
|------------------------------------|-------|---|--------|-------|-------|-------|-------|-------|
| MTBE (Methyl Tertiary Butyl Ether) | µg/kg | 5 | NONE   | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |
| Benzene                            | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |
| Toluene                            | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |
| Ethylbenzene                       | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |
| p & m-Xylene                       | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |
| o-Xylene                           | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 24-027591  
Project / Site name: Shinfield Park Reading  
Your Order No: 610344

| Lab Sample Number                       | 240523        | 240524             | 240525                  | 240526        | 240527        |
|-----------------------------------------|---------------|--------------------|-------------------------|---------------|---------------|
| Sample Reference                        | WS105         | WS107              | WS107                   | WS109         | WS109         |
| Sample Number                           | None Supplied | None Supplied      | None Supplied           | None Supplied | None Supplied |
| Depth (m)                               | 2.50          | 0.30               | 1.20                    | 0.30          | 1.10          |
| Date Sampled                            | 20/06/2024    | 19/06/2024         | 19/06/2024              | 19/06/2024    | 19/06/2024    |
| Time Taken                              | None Supplied | None Supplied      | None Supplied           | None Supplied | None Supplied |
| Analytical Parameter<br>(Soil Analysis) | Units         | Limit of detection | Accreditation<br>Status |               |               |

|                               |    |      |      |       |       |       |       |       |
|-------------------------------|----|------|------|-------|-------|-------|-------|-------|
| Stone Content                 | %  | 0.1  | NONE | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| Moisture Content              | %  | 0.01 | NONE | 17    | 15    | 13    | 16    | 8.7   |
| Total mass of sample received | kg | 0.1  | NONE | 1.1   | 1.2   | 1.1   | 1.2   | 1.1   |

#### Asbestos

|                                        |      |     |           |   |   |   |              |              |
|----------------------------------------|------|-----|-----------|---|---|---|--------------|--------------|
| Asbestos in Soil Detected/Not Detected | Type | N/A | ISO 17025 | - | - | - | Not-detected | Not-detected |
| Asbestos Analyst ID                    | N/A  | N/A | N/A       | - | - | - | IZJ          | IZJ          |

#### General Inorganics

|                                                                         |          |      |        |     |     |     |     |     |
|-------------------------------------------------------------------------|----------|------|--------|-----|-----|-----|-----|-----|
| pH (L099)                                                               | pH Units | N/A  | MCERTS | 8.6 | 8.4 | 8.3 | 8.1 | 8.3 |
| Total Cyanide                                                           | mg/kg    | 1    | MCERTS | -   | -   | -   | -   | -   |
| Water Soluble Sulphate as SO <sub>4</sub> 16hr extraction (2:1)         | mg/kg    | 2.5  | MCERTS | -   | -   | -   | -   | -   |
| Water Soluble SO <sub>4</sub> 16hr extraction (2:1 Leachate Equivalent) | mg/l     | 1.25 | MCERTS | -   | -   | -   | -   | -   |
| Organic Matter (automated)                                              | %        | 0.1  | MCERTS | -   | -   | -   | -   | -   |
| Total Organic Carbon (TOC) - Automated                                  | %        | 0.1  | MCERTS | -   | -   | -   | -   | -   |

#### Speciated PAHs

|                        |       |      |           |        |        |        |        |        |
|------------------------|-------|------|-----------|--------|--------|--------|--------|--------|
| Naphthalene            | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Acenaphthylene         | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Acenaphthene           | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Fluorene               | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Phenanthrene           | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Anthracene             | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Fluoranthene           | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Pyrene                 | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(a)anthracene     | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Chrysene               | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(b)fluoranthene   | mg/kg | 0.05 | ISO 17025 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(k)fluoranthene   | mg/kg | 0.05 | ISO 17025 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(a)pyrene         | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Dibenz(a,h)anthracene  | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(ghi)perylene     | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |

#### Total PAH

|                             |       |     |           |        |        |        |        |        |
|-----------------------------|-------|-----|-----------|--------|--------|--------|--------|--------|
| Speciated Total EPA-16 PAHs | mg/kg | 0.8 | ISO 17025 | < 0.80 | < 0.80 | < 0.80 | < 0.80 | < 0.80 |
|-----------------------------|-------|-----|-----------|--------|--------|--------|--------|--------|

Analytical Report Number: 24-027591  
Project / Site name: Shinfield Park Reading  
Your Order No: 610344

| Lab Sample Number                       | 240523        | 240524             | 240525                  | 240526        | 240527        |
|-----------------------------------------|---------------|--------------------|-------------------------|---------------|---------------|
| Sample Reference                        | WS105         | WS107              | WS107                   | WS109         | WS109         |
| Sample Number                           | None Supplied | None Supplied      | None Supplied           | None Supplied | None Supplied |
| Depth (m)                               | 2.50          | 0.30               | 1.20                    | 0.30          | 1.10          |
| Date Sampled                            | 20/06/2024    | 19/06/2024         | 19/06/2024              | 19/06/2024    | 19/06/2024    |
| Time Taken                              | None Supplied | None Supplied      | None Supplied           | None Supplied | None Supplied |
| Analytical Parameter<br>(Soil Analysis) | Units         | Limit of detection | Accreditation<br>Status |               |               |

#### Heavy Metals / Metalloids

|                                   |       |     |        |       |       |       |       |       |
|-----------------------------------|-------|-----|--------|-------|-------|-------|-------|-------|
| Arsenic (aqua regia extractable)  | mg/kg | 1   | MCERTS | 15    | 14    | 15    | 9.5   | 7.6   |
| Boron (water soluble)             | mg/kg | 0.2 | MCERTS | 0.2   | < 0.2 | < 0.2 | 1.2   | 0.4   |
| Cadmium (aqua regia extractable)  | mg/kg | 0.2 | MCERTS | < 0.2 | < 0.2 | < 0.2 | 1.1   | < 0.2 |
| Chromium (hexavalent)             | mg/kg | 1.8 | MCERTS | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| Chromium (III)                    | mg/kg | 1   | NONE   | 46    | 51    | 45    | 26    | 26    |
| Chromium (aqua regia extractable) | mg/kg | 1   | MCERTS | 46    | 51    | 45    | 26    | 26    |
| Copper (aqua regia extractable)   | mg/kg | 1   | MCERTS | 17    | 17    | 13    | 9.3   | 9.3   |
| Lead (aqua regia extractable)     | mg/kg | 1   | MCERTS | 18    | 16    | 11    | 25    | 13    |
| Mercury (aqua regia extractable)  | mg/kg | 0.3 | MCERTS | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 |
| Nickel (aqua regia extractable)   | mg/kg | 1   | MCERTS | 28    | 24    | 32    | 18    | 15    |
| Selenium (aqua regia extractable) | mg/kg | 1   | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Zinc (aqua regia extractable)     | mg/kg | 1   | MCERTS | 65    | 57    | 50    | 72    | 33    |

#### Petroleum Hydrocarbons

|                                                          |       |      |        |         |         |         |         |         |
|----------------------------------------------------------|-------|------|--------|---------|---------|---------|---------|---------|
| TPHCWG - Aliphatic >EC5 - EC6 <sub>HS_1D_AL</sub>        | mg/kg | 0.02 | NONE   | < 0.020 | < 0.020 | < 0.020 | < 0.020 | < 0.020 |
| TPHCWG - Aliphatic >EC6 - EC8 <sub>HS_1D_AL</sub>        | mg/kg | 0.02 | NONE   | < 0.020 | < 0.020 | < 0.020 | < 0.020 | < 0.020 |
| TPHCWG - Aliphatic >EC8 - EC10 <sub>HS_1D_AL</sub>       | mg/kg | 0.05 | NONE   | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 |
| TPHCWG - Aliphatic >EC10 - EC12 <sub>EH_CU_1D_AL</sub>   | mg/kg | 1    | MCERTS | < 1.0   | 3.5     | < 1.0   | < 1.0   | < 1.0   |
| TPHCWG - Aliphatic >EC12 - EC16 <sub>EH_CU_1D_AL</sub>   | mg/kg | 2    | MCERTS | < 2.0   | < 2.0   | < 2.0   | < 2.0   | < 2.0   |
| TPHCWG - Aliphatic >EC16 - EC21 <sub>EH_CU_1D_AL</sub>   | mg/kg | 8    | MCERTS | < 8.0   | < 8.0   | < 8.0   | < 8.0   | < 8.0   |
| TPHCWG - Aliphatic >EC21 - EC35 <sub>EH_CU_1D_AL</sub>   | mg/kg | 8    | MCERTS | < 8.0   | < 8.0   | < 8.0   | < 8.0   | < 8.0   |
| TPHCWG - Aliphatic >EC5 - EC35 <sub>EH_CU+HS_1D_AL</sub> | mg/kg | 10   | NONE   | < 10    | < 10    | < 10    | < 10    | < 10    |

|                                                         |       |      |        |         |         |         |         |         |
|---------------------------------------------------------|-------|------|--------|---------|---------|---------|---------|---------|
| TPHCWG - Aromatic >EC5 - EC7 <sub>HS_1D_AR</sub>        | mg/kg | 0.01 | NONE   | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aromatic >EC7 - EC8 <sub>HS_1D_AR</sub>        | mg/kg | 0.01 | NONE   | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aromatic >EC8 - EC10 <sub>HS_1D_AR</sub>       | mg/kg | 0.05 | NONE   | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 |
| TPHCWG - Aromatic >EC10 - EC12 <sub>EH_CU_1D_AR</sub>   | mg/kg | 1    | MCERTS | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   |
| TPHCWG - Aromatic >EC12 - EC16 <sub>EH_CU_1D_AR</sub>   | mg/kg | 2    | MCERTS | < 2.0   | < 2.0   | < 2.0   | < 2.0   | < 2.0   |
| TPHCWG - Aromatic >EC16 - EC21 <sub>EH_CU_1D_AR</sub>   | mg/kg | 10   | MCERTS | < 10    | < 10    | < 10    | < 10    | < 10    |
| TPHCWG - Aromatic >EC21 - EC35 <sub>EH_CU_1D_AR</sub>   | mg/kg | 10   | MCERTS | < 10    | < 10    | < 10    | < 10    | < 10    |
| TPHCWG - Aromatic >EC5 - EC35 <sub>EH_CU+HS_1D_AR</sub> | mg/kg | 10   | NONE   | < 10    | < 10    | < 10    | < 10    | < 10    |

|                                                              |       |   |           |   |   |   |   |   |
|--------------------------------------------------------------|-------|---|-----------|---|---|---|---|---|
| Petroleum Range Organics (EC6 - EC10) <sub>HS_1D_TOTAL</sub> | mg/kg | 1 | ISO 17025 | - | - | - | - | - |
|--------------------------------------------------------------|-------|---|-----------|---|---|---|---|---|

#### VOCs

|                                    |       |   |        |       |       |       |       |       |
|------------------------------------|-------|---|--------|-------|-------|-------|-------|-------|
| MTBE (Methyl Tertiary Butyl Ether) | µg/kg | 5 | NONE   | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |
| Benzene                            | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |
| Toluene                            | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |
| Ethylbenzene                       | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |
| p & m-Xylene                       | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |
| o-Xylene                           | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 24-027591  
Project / Site name: Shinfield Park Reading  
Your Order No: 610344

|                                         |               |                      |
|-----------------------------------------|---------------|----------------------|
| Lab Sample Number                       | 240528        | 240529               |
| Sample Reference                        | WS112         | WS112                |
| Sample Number                           | None Supplied | None Supplied        |
| Depth (m)                               | 0.15          | 1.80                 |
| Date Sampled                            | 20/06/2024    | 20/06/2024           |
| Time Taken                              | None Supplied | None Supplied        |
| Analytical Parameter<br>(Soil Analysis) | Units         | Limit of detection   |
|                                         |               | Accreditation Status |

|                               |    |      |      |       |       |
|-------------------------------|----|------|------|-------|-------|
| Stone Content                 | %  | 0.1  | NONE | < 0.1 | < 0.1 |
| Moisture Content              | %  | 0.01 | NONE | 5.4   | 15    |
| Total mass of sample received | kg | 0.1  | NONE | 1.2   | 1.1   |

#### Asbestos

|                                        |      |     |           |              |              |
|----------------------------------------|------|-----|-----------|--------------|--------------|
| Asbestos in Soil Detected/Not Detected | Type | N/A | ISO 17025 | Not-detected | Not-detected |
| Asbestos Analyst ID                    | N/A  | N/A | N/A       | IZJ          | IZJ          |

#### General Inorganics

|                                                                         |          |      |        |       |     |
|-------------------------------------------------------------------------|----------|------|--------|-------|-----|
| pH (L099)                                                               | pH Units | N/A  | MCERTS | 8.5   | 7.3 |
| Total Cyanide                                                           | mg/kg    | 1    | MCERTS | < 1.0 | -   |
| Water Soluble Sulphate as SO <sub>4</sub> 16hr extraction (2:1)         | mg/kg    | 2.5  | MCERTS | 11    | -   |
| Water Soluble SO <sub>4</sub> 16hr extraction (2:1 Leachate Equivalent) | mg/l     | 1.25 | MCERTS | 5.35  | -   |
| Organic Matter (automated)                                              | %        | 0.1  | MCERTS | 0.3   | -   |
| Total Organic Carbon (TOC) - Automated                                  | %        | 0.1  | MCERTS | 0.1   | -   |

#### Speciated PAHs

|                        |       |      |           |        |        |
|------------------------|-------|------|-----------|--------|--------|
| Naphthalene            | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 |
| Acenaphthylene         | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 |
| Acenaphthene           | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 |
| Fluorene               | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 |
| Phenanthrene           | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 |
| Anthracene             | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 |
| Fluoranthene           | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 |
| Pyrene                 | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 |
| Benzo(a)anthracene     | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 |
| Chrysene               | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 |
| Benzo(b)fluoranthene   | mg/kg | 0.05 | ISO 17025 | < 0.05 | < 0.05 |
| Benzo(k)fluoranthene   | mg/kg | 0.05 | ISO 17025 | < 0.05 | < 0.05 |
| Benzo(a)pyrene         | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 |
| Dibenz(a,h)anthracene  | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 |
| Benzo(ghi)perylene     | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 |

#### Total PAH

|                             |       |     |           |        |        |
|-----------------------------|-------|-----|-----------|--------|--------|
| Speciated Total EPA-16 PAHs | mg/kg | 0.8 | ISO 17025 | < 0.80 | < 0.80 |
|-----------------------------|-------|-----|-----------|--------|--------|

Analytical Report Number: 24-027591  
Project / Site name: Shinfield Park Reading  
Your Order No: 610344

|                                         |               |                      |
|-----------------------------------------|---------------|----------------------|
| Lab Sample Number                       | 240528        | 240529               |
| Sample Reference                        | WS112         | WS112                |
| Sample Number                           | None Supplied | None Supplied        |
| Depth (m)                               | 0.15          | 1.80                 |
| Date Sampled                            | 20/06/2024    | 20/06/2024           |
| Time Taken                              | None Supplied | None Supplied        |
| Analytical Parameter<br>(Soil Analysis) | Units         | Limit of detection   |
|                                         |               | Accreditation Status |

#### Heavy Metals / Metalloids

|                                   |       |     |        |       |       |
|-----------------------------------|-------|-----|--------|-------|-------|
| Arsenic (aqua regia extractable)  | mg/kg | 1   | MCERTS | 3.5   | 18    |
| Boron (water soluble)             | mg/kg | 0.2 | MCERTS | < 0.2 | < 0.2 |
| Cadmium (aqua regia extractable)  | mg/kg | 0.2 | MCERTS | < 0.2 | < 0.2 |
| Chromium (hexavalent)             | mg/kg | 1.8 | MCERTS | < 1.8 | < 1.8 |
| Chromium (III)                    | mg/kg | 1   | NONE   | 5.9   | 47    |
| Chromium (aqua regia extractable) | mg/kg | 1   | MCERTS | 5.9   | 47    |
| Copper (aqua regia extractable)   | mg/kg | 1   | MCERTS | 5.4   | 18    |
| Lead (aqua regia extractable)     | mg/kg | 1   | MCERTS | 5.7   | 18    |
| Mercury (aqua regia extractable)  | mg/kg | 0.3 | MCERTS | < 0.3 | < 0.3 |
| Nickel (aqua regia extractable)   | mg/kg | 1   | MCERTS | 5.2   | 36    |
| Selenium (aqua regia extractable) | mg/kg | 1   | MCERTS | < 1.0 | < 1.0 |
| Zinc (aqua regia extractable)     | mg/kg | 1   | MCERTS | 12    | 64    |

#### Petroleum Hydrocarbons

|                                                          |       |      |        |         |         |
|----------------------------------------------------------|-------|------|--------|---------|---------|
| TPHCWG - Aliphatic >EC5 - EC6 <sub>HS_1D_AL</sub>        | mg/kg | 0.02 | NONE   | < 0.020 | < 0.020 |
| TPHCWG - Aliphatic >EC6 - EC8 <sub>HS_1D_AL</sub>        | mg/kg | 0.02 | NONE   | < 0.020 | < 0.020 |
| TPHCWG - Aliphatic >EC8 - EC10 <sub>HS_1D_AL</sub>       | mg/kg | 0.05 | NONE   | < 0.050 | < 0.050 |
| TPHCWG - Aliphatic >EC10 - EC12 <sub>EH_CU_1D_AL</sub>   | mg/kg | 1    | MCERTS | < 1.0   | < 1.0   |
| TPHCWG - Aliphatic >EC12 - EC16 <sub>EH_CU_1D_AL</sub>   | mg/kg | 2    | MCERTS | < 2.0   | < 2.0   |
| TPHCWG - Aliphatic >EC16 - EC21 <sub>EH_CU_1D_AL</sub>   | mg/kg | 8    | MCERTS | < 8.0   | < 8.0   |
| TPHCWG - Aliphatic >EC21 - EC35 <sub>EH_CU_1D_AL</sub>   | mg/kg | 8    | MCERTS | < 8.0   | < 8.0   |
| TPHCWG - Aliphatic >EC5 - EC35 <sub>EH_CU+HS_1D_AL</sub> | mg/kg | 10   | NONE   | < 10    | < 10    |

|                                                         |       |      |        |         |         |
|---------------------------------------------------------|-------|------|--------|---------|---------|
| TPHCWG - Aromatic >EC5 - EC7 <sub>HS_1D_AR</sub>        | mg/kg | 0.01 | NONE   | < 0.010 | < 0.010 |
| TPHCWG - Aromatic >EC7 - EC8 <sub>HS_1D_AR</sub>        | mg/kg | 0.01 | NONE   | < 0.010 | < 0.010 |
| TPHCWG - Aromatic >EC8 - EC10 <sub>HS_1D_AR</sub>       | mg/kg | 0.05 | NONE   | < 0.050 | < 0.050 |
| TPHCWG - Aromatic >EC10 - EC12 <sub>EH_CU_1D_AR</sub>   | mg/kg | 1    | MCERTS | < 1.0   | < 1.0   |
| TPHCWG - Aromatic >EC12 - EC16 <sub>EH_CU_1D_AR</sub>   | mg/kg | 2    | MCERTS | < 2.0   | < 2.0   |
| TPHCWG - Aromatic >EC16 - EC21 <sub>EH_CU_1D_AR</sub>   | mg/kg | 10   | MCERTS | < 10    | < 10    |
| TPHCWG - Aromatic >EC21 - EC35 <sub>EH_CU_1D_AR</sub>   | mg/kg | 10   | MCERTS | < 10    | < 10    |
| TPHCWG - Aromatic >EC5 - EC35 <sub>EH_CU+HS_1D_AR</sub> | mg/kg | 10   | NONE   | < 10    | < 10    |

|                                                              |       |   |           |       |   |
|--------------------------------------------------------------|-------|---|-----------|-------|---|
| Petroleum Range Organics (EC6 - EC10) <sub>HS_1D_TOTAL</sub> | mg/kg | 1 | ISO 17025 | < 1.0 | - |
|--------------------------------------------------------------|-------|---|-----------|-------|---|

#### VOCs

|                                    |       |   |        |       |       |
|------------------------------------|-------|---|--------|-------|-------|
| MTBE (Methyl Tertiary Butyl Ether) | µg/kg | 5 | NONE   | < 5.0 | < 5.0 |
| Benzene                            | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 |
| Toluene                            | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 |
| Ethylbenzene                       | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 |
| p & m-Xylene                       | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 |
| o-Xylene                           | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 |

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

**Analytical Report Number : 24-027591**

**Project / Site name: Shinfield Park Reading**

\* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

| Lab Sample Number | Sample Reference | Sample Number | Depth (m) | Sample Description *                           |
|-------------------|------------------|---------------|-----------|------------------------------------------------|
| 240513            | WS101            | None Supplied | 0.25      | Brown loam and sand with gravel and tar        |
| 240514            | WS101            | None Supplied | 1.2       | Brown clay                                     |
| 240515            | WS102            | None Supplied | 0.5       | Brown loam and sand with gravel and tar        |
| 240516            | WS102            | None Supplied | 0.9       | Brown clay                                     |
| 240517            | WS103            | None Supplied | 0.2       | Brown loam and sand                            |
| 240518            | WS103            | None Supplied | 1.1       | Brown clay                                     |
| 240519            | WS104            | None Supplied | 0.5       | Brown clay with gravel and vegetation          |
| 240520            | WS104            | None Supplied | 1.4       | Brown clay with gravel                         |
| 240521            | WS105            | None Supplied | 0.25      | Brown loam and sand with gravel and tar        |
| 240522            | WS105            | None Supplied | 0.7       | Brown clay with gravel                         |
| 240523            | WS105            | None Supplied | 2.5       | Brown clay with gravel                         |
| 240524            | WS107            | None Supplied | 0.3       | Brown clay with gravel                         |
| 240525            | WS107            | None Supplied | 1.2       | Brown clay and loam                            |
| 240526            | WS109            | None Supplied | 0.3       | Brown loam and sand with gravel and vegetation |
| 240527            | WS109            | None Supplied | 1.1       | Brown clay and loam with gravel                |
| 240528            | WS112            | None Supplied | 0.15      | Brown loam and sand with gravel                |
| 240529            | WS112            | None Supplied | 1.8       | Brown clay                                     |

**Analytical Report Number : 24-027591**  
**Project / Site name: Shinfield Park Reading**

**Water matrix abbreviations:**

**Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)**

| Analytical Test Name                                                        | Analytical Method Description                                                                                                                       | Analytical Method Reference                                                                            | Method number | Wet / Dry Analysis | Accreditation Status |
|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|---------------|--------------------|----------------------|
| Asbestos identification in Soil                                             | Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques                               | In-house method based on HSG 248, 2021                                                                 | A001B         | D                  | ISO 17025            |
| Organic matter (Automated) in soil                                          | Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method) | In-house method                                                                                        | L009B         | D                  | MCERTS               |
| Total organic carbon (Automated) in soil                                    | Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method) | In-house method                                                                                        | L009B         | D                  | MCERTS               |
| Moisture Content                                                            | Moisture content, determined gravimetrically (up to 30°C)                                                                                           | In-house method                                                                                        | L019B         | W                  | NONE                 |
| Stones content of soil                                                      | Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight                          | In-house method based on British Standard Methods and MCERTS requirements.                             | L019B         | D                  | NONE                 |
| Metals in soil by ICP-OES                                                   | Determination of metals in soil by aqua-regia digestion followed by ICP-OES                                                                         | In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil                    | L038B         | D                  | MCERTS               |
| Boron, water soluble, in soil                                               | Determination of water soluble boron in soil by hot water extract followed by ICP-OES                                                               | In-house method based on Second Site Properties version 3                                              | L038B         | D                  | MCERTS               |
| Sulphate, water soluble, in soil (16hr extraction)                          | Sulphate, water soluble, in soil (16hr extraction)                                                                                                  | In-house method                                                                                        | L038B         | D                  | MCERTS               |
| Speciated PAHs and/or Semi-volatile organic compounds in soil               | Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS              | In-house method based on USEPA 8270                                                                    | L064B         | D                  | MCERTS               |
| BTEX and/or Volatile organic compounds in soil                              | Determination of volatile organic compounds in soil by headspace GC-MS                                                                              | In-house method based on USEPA 8260                                                                    | L073B         | W                  | MCERTS               |
| Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil | Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS with carbon banding aliphatic and aromatic                                 | In-house method                                                                                        | L076B/L088    | D/W                | MCERTS               |
| Chromium III in soil                                                        | In-house method by calculation from total Cr and Cr VI                                                                                              | In-house method by calculation                                                                         | L080          | W                  | NONE                 |
| Hexavalent chromium in soil                                                 | Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry                    | In-house method                                                                                        | L080          | W                  | MCERTS               |
| Total cyanide in soil                                                       | Determination of total cyanide by distillation followed by colorimetry                                                                              | In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton | L080          | W                  | MCERTS               |

**Analytical Report Number : 24-027591**  
**Project / Site name: Shinfield Park Reading**

**Water matrix abbreviations:**

**Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)**

| Analytical Test Name                                    | Analytical Method Description                                                                    | Analytical Method Reference | Method number | Wet / Dry Analysis | Accreditation Status |
|---------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------|---------------|--------------------|----------------------|
| Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil | Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS                         | In-house method             | L129B         | D/W                | ISO 17025            |
| pH in soil (automated)                                  | Determination of pH in soil by addition of water followed by automated electrometric measurement | In-house method             | L099          | D                  | MCERTS               |

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30°C.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

## Information in Support of Analytical Results

### List of HWOL Acronyms and Operators

| Acronym | Descriptions                                                           |
|---------|------------------------------------------------------------------------|
| HS      | Headspace Analysis                                                     |
| MS      | Mass spectrometry                                                      |
| FID     | Flame Ionisation Detector                                              |
| GC      | Gas Chromatography                                                     |
| EH      | Extractable Hydrocarbons (i.e. everything extracted by the solvent(s)) |
| CU      | Clean-up - e.g. by Florisil®, silica gel                               |
| 1D      | GC - Single coil/column gas chromatography                             |
| 2D      | GC-GC - Double coil/column gas chromatography                          |
| Total   | Aliphatics & Aromatics                                                 |
| AL      | Aliphatics                                                             |
| AR      | Aromatics                                                              |
| #1      | EH_2D_Total but with humics mathematically subtracted                  |
| #2      | EH_2D_Total but with fatty acids mathematically subtracted             |
| -       | Operator - underscore to separate acronyms (exception for +)           |
| +       | Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total     |

Quality control parameter failure associated with individual result applies to calculated sum of individuals.

The result for sum should be interpreted with caution

**Analytical Report Number : 24-027591**

**Project / Site name: Shinfield Park Reading**

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis. Please note that the associated result(s) may be unreliable and should be interpreted with care.

Key: a - No sampling date b - Incorrect container c - Holding time d - Headspace e - Temperature

| Sample ID | Other ID | Sample Type | Lab Sample Number | Sample Deviation | Test Name             | Test Ref | Test Deviation |
|-----------|----------|-------------|-------------------|------------------|-----------------------|----------|----------------|
| WS101     | N/A      | S           | 240513            | c                | Total cyanide in soil | L080     | c              |
| WS105     | N/A      | S           | 240522            | c                | Total cyanide in soil | L080     | c              |
| WS112     | N/A      | S           | 240528            | c                | Total cyanide in soil | L080     | c              |



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TRC Companies Ltd  
20 Red Lion Street, London  
WC1R 4PQ

e: mdorfling@trccompanies.com



Environmental Science

i2 Analytical Ltd.  
7 Woodshots Meadow,  
Croxley Green  
Business Park,  
Watford,  
Herts,  
WD18 8YS

t: 01923 225404  
f: 01923 237404  
e: reception@i2analytical.com

## **Analytical Report Number : 24-030400**

|                             |                         |                                                        |            |
|-----------------------------|-------------------------|--------------------------------------------------------|------------|
| <b>Project / Site name:</b> | Shinfield Park, Reading | <b>Samples received on:</b>                            | 12/07/2024 |
| <b>Your job number:</b>     | 610344                  | <b>Samples instructed on/<br/>Analysis started on:</b> | 12/07/2024 |
| <b>Your order number:</b>   | 610344                  | <b>Analysis completed by:</b>                          | 18/07/2024 |
| <b>Report Issue Number:</b> | 1                       | <b>Report issued on:</b>                               | 18/07/2024 |
| <b>Samples Analysed:</b>    | 4 water samples         |                                                        |            |

**Signed:**

Rafał Szczepańczyk  
Technical Reviewer  
**For & on behalf of i2 Analytical Ltd.**

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting  
leachates - 2 weeks from reporting  
waters - 2 weeks from reporting  
asbestos - 6 months from reporting

Excel copies of reports are only valid when accompanied by this PDF certificate.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.  
Application of uncertainty of measurement would provide a range within which the true result lies.  
An estimate of measurement uncertainty can be provided on request.



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Environmental Science

Analytical Report Number: 24-030400

Project / Site name: Shinfield Park, Reading

Your Order No: 610344

|                                          |               |                            |                              |               |
|------------------------------------------|---------------|----------------------------|------------------------------|---------------|
| Lab Sample Number                        | 255051        | 255052                     | 255053                       | 255054        |
| Sample Reference                         | WS101         | WS102                      | WS103                        | WS107         |
| Sample Number                            | None Supplied | None Supplied              | None Supplied                | None Supplied |
| Depth (m)                                | None Supplied | None Supplied              | None Supplied                | None Supplied |
| Date Sampled                             | 12/07/2024    | 12/07/2024                 | 12/07/2024                   | 12/07/2024    |
| Time Taken                               | None Supplied | None Supplied              | None Supplied                | None Supplied |
| Analytical Parameter<br>(Water Analysis) | Units         | Test Limit of<br>detection | Test Accreditation<br>Status |               |

## General Inorganics

|                             |          |       |           |      |      |      |      |
|-----------------------------|----------|-------|-----------|------|------|------|------|
| pH (L099)                   | pH Units | N/A   | ISO 17025 | 7.4  | 7.3  | 7.4  | 7.6  |
| Sulphate as SO <sub>4</sub> | mg/l     | 0.045 | ISO 17025 | 1830 | 1550 | 1590 | 1490 |

## Speciated PAHs

|                        |      |      |           |        |        |        |        |
|------------------------|------|------|-----------|--------|--------|--------|--------|
| Naphthalene            | µg/l | 0.01 | ISO 17025 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Acenaphthylene         | µg/l | 0.01 | ISO 17025 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Acenaphthene           | µg/l | 0.01 | ISO 17025 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Fluorene               | µg/l | 0.01 | ISO 17025 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Phenanthrene           | µg/l | 0.01 | ISO 17025 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Anthracene             | µg/l | 0.01 | ISO 17025 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Fluoranthene           | µg/l | 0.01 | ISO 17025 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Pyrene                 | µg/l | 0.01 | ISO 17025 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Benzo(a)anthracene     | µg/l | 0.01 | ISO 17025 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Chrysene               | µg/l | 0.01 | ISO 17025 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Benzo(b)fluoranthene   | µg/l | 0.01 | ISO 17025 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Benzo(k)fluoranthene   | µg/l | 0.01 | ISO 17025 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Benzo(a)pyrene         | µg/l | 0.01 | ISO 17025 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Indeno(1,2,3-cd)pyrene | µg/l | 0.01 | ISO 17025 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Dibenz(a,h)anthracene  | µg/l | 0.01 | ISO 17025 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Benzo(ghi)perylene     | µg/l | 0.01 | ISO 17025 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |

## Total PAH

|                   |      |      |           |        |        |        |        |
|-------------------|------|------|-----------|--------|--------|--------|--------|
| Total EPA-16 PAHs | µg/l | 0.16 | ISO 17025 | < 0.16 | < 0.16 | < 0.16 | < 0.16 |
|-------------------|------|------|-----------|--------|--------|--------|--------|

## Heavy Metals / Metalloids

|                      |      |      |           |        |        |        |        |
|----------------------|------|------|-----------|--------|--------|--------|--------|
| Arsenic (dissolved)  | µg/l | 0.15 | ISO 17025 | 0.44   | 0.31   | 0.88   | 0.92   |
| Cadmium (dissolved)  | µg/l | 0.02 | ISO 17025 | 0.07   | 0.05   | 0.16   | 0.05   |
| Chromium (dissolved) | µg/l | 0.2  | ISO 17025 | 2      | 5.3    | 7.7    | 4.8    |
| Copper (dissolved)   | µg/l | 0.5  | ISO 17025 | 2.3    | 1.6    | 8.2    | 6.5    |
| Lead (dissolved)     | µg/l | 0.2  | ISO 17025 | < 0.2  | < 0.2  | < 0.2  | 0.9    |
| Mercury (dissolved)  | µg/l | 0.05 | ISO 17025 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Nickel (dissolved)   | µg/l | 0.5  | ISO 17025 | 4.3    | 3.6    | 22     | 8.8    |
| Selenium (dissolved) | µg/l | 0.6  | ISO 17025 | 20     | 12     | 59     | 5.4    |
| Zinc (dissolved)     | µg/l | 0.5  | ISO 17025 | 5.8    | 6.2    | 13     | 23     |

|                       |      |    |           |       |       |       |       |
|-----------------------|------|----|-----------|-------|-------|-------|-------|
| Boron (dissolved)     | µg/l | 10 | ISO 17025 | 250   | 240   | 170   | 170   |
| Chromium (hexavalent) | µg/l | 5  | ISO 17025 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |
| Chromium (III)        | µg/l | 5  | NONE      | < 5.0 | < 5.0 | 5.6   | < 5.0 |



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Environmental Science

Analytical Report Number: 24-030400

Project / Site name: Shinfield Park, Reading

Your Order No: 610344

|                                          |       |                            |                              |               |               |               |               |
|------------------------------------------|-------|----------------------------|------------------------------|---------------|---------------|---------------|---------------|
| Lab Sample Number                        |       |                            |                              | 255051        | 255052        | 255053        | 255054        |
| Sample Reference                         |       |                            |                              | WS101         | WS102         | WS103         | WS107         |
| Sample Number                            |       |                            |                              | None Supplied | None Supplied | None Supplied | None Supplied |
| Depth (m)                                |       |                            |                              | None Supplied | None Supplied | None Supplied | None Supplied |
| Date Sampled                             |       |                            |                              | 12/07/2024    | 12/07/2024    | 12/07/2024    | 12/07/2024    |
| Time Taken                               |       |                            |                              | None Supplied | None Supplied | None Supplied | None Supplied |
| Analytical Parameter<br>(Water Analysis) | Units | Test Limit of<br>detection | Test Accreditation<br>Status |               |               |               |               |
|                                          |       |                            |                              |               |               |               |               |

**Petroleum Hydrocarbons**

|                                                       |      |    |           |       |       |       |       |
|-------------------------------------------------------|------|----|-----------|-------|-------|-------|-------|
| TPH - Aliphatic >EC5 - EC6 <sub>HS_1D_AL</sub>        | µg/l | 1  | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| TPH - Aliphatic >EC6 - EC8 <sub>HS_1D_AL</sub>        | µg/l | 1  | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| TPH - Aliphatic >EC8 - EC10 <sub>HS_1D_AL</sub>       | µg/l | 1  | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| TPH - Aliphatic >EC10 - EC12 <sub>EH_1D_AL_MS</sub>   | µg/l | 10 | NONE      | < 10  | < 10  | < 10  | < 10  |
| TPH - Aliphatic >EC12 - EC16 <sub>EH_1D_AL_MS</sub>   | µg/l | 10 | NONE      | < 10  | < 10  | < 10  | < 10  |
| TPH - Aliphatic >EC16 - EC21 <sub>EH_1D_AL_MS</sub>   | µg/l | 10 | NONE      | < 10  | < 10  | < 10  | < 10  |
| TPH - Aliphatic >EC21 - EC35 <sub>EH_1D_AL_MS</sub>   | µg/l | 10 | NONE      | < 10  | < 10  | < 10  | < 10  |
| TPH - Aliphatic >EC5 - EC35 <sub>HS+EH_1D_AL_MS</sub> | µg/l | 10 | NONE      | < 10  | < 10  | < 10  | < 10  |

|                                                      |      |    |           |       |       |       |       |
|------------------------------------------------------|------|----|-----------|-------|-------|-------|-------|
| TPH - Aromatic >EC5 - EC7 <sub>HS_1D_AR</sub>        | µg/l | 1  | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| TPH - Aromatic >EC7 - EC8 <sub>HS_1D_AR</sub>        | µg/l | 1  | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| TPH - Aromatic >EC8 - EC10 <sub>HS_1D_AR</sub>       | µg/l | 1  | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| TPH - Aromatic >EC10 - EC12 <sub>EH_1D_AR_MS</sub>   | µg/l | 10 | NONE      | < 10  | < 10  | < 10  | < 10  |
| TPH - Aromatic >EC12 - EC16 <sub>EH_1D_AR_MS</sub>   | µg/l | 10 | NONE      | < 10  | < 10  | < 10  | < 10  |
| TPH - Aromatic >EC16 - EC21 <sub>EH_1D_AR_MS</sub>   | µg/l | 10 | NONE      | < 10  | < 10  | < 10  | < 10  |
| TPH - Aromatic >EC21 - EC35 <sub>EH_1D_AR_MS</sub>   | µg/l | 10 | NONE      | < 10  | < 10  | < 10  | < 10  |
| TPH - Aromatic >EC5 - EC35 <sub>HS+EH_1D_AR_MS</sub> | µg/l | 10 | NONE      | < 10  | < 10  | < 10  | < 10  |

**VOCs**

|                                    |      |   |           |       |       |       |       |
|------------------------------------|------|---|-----------|-------|-------|-------|-------|
| MTBE (Methyl Tertiary Butyl Ether) | µg/l | 3 | ISO 17025 | < 3.0 | < 3.0 | < 3.0 | < 3.0 |
| Benzene                            | µg/l | 3 | ISO 17025 | < 3.0 | < 3.0 | < 3.0 | < 3.0 |
| Toluene                            | µg/l | 3 | ISO 17025 | < 3.0 | < 3.0 | < 3.0 | < 3.0 |
| Ethylbenzene                       | µg/l | 3 | ISO 17025 | < 3.0 | < 3.0 | < 3.0 | < 3.0 |
| p & m-xylene                       | µg/l | 3 | ISO 17025 | < 3.0 | < 3.0 | < 3.0 | < 3.0 |
| o-xylene                           | µg/l | 3 | ISO 17025 | < 3.0 | < 3.0 | < 3.0 | < 3.0 |

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



4041



Environmental Science

Analytical Report Number : 24-030400

Project / Site name: Shinfield Park, Reading

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

| Analytical Test Name                                               | Analytical Method Description                                                                                                            | Analytical Method Reference                                                                                   | Method number | Wet / Dry Analysis | Accreditation Status |
|--------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------------|--------------------|----------------------|
| Metals in water by ICP-MS (dissolved)                              | Determination of metals in water by acidification followed by ICP-MS. Accredited Matrices: SW, GW, PW except B=SW,GW, Hg=SW,PW, Al=SW,PW | In-house method based on USEPA Method 6020 & 200.8 for the determination of trace elements in water by ICP-MS | L012B         | W                  | ISO 17025            |
| Metals in water by ICP-OES (dissolved)                             | Determination of metals in water by acidification followed by ICP-OES. Accredited Matrices: SW, GW, PW, PrW (Al, Cu, Fe,Zn)              | In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil                           | L039B         | W                  | ISO 17025            |
| Total petroleum hydrocarbons with carbon banding by GC-MS in water | Determination of total petroleum hydrocarbons in water by GC-MS/GC-MS HS with carbon banding aliphatic and aromatic                      | In-house method                                                                                               | L070B         | W                  | NONE                 |
| BTEX and/or Volatile organic compounds in water                    | Determination of volatile organic compounds in water by headspace GC-MS. Accredited matrices: SW PW GW                                   | In-house method based on USEPA 8260                                                                           | L073B         | W                  | ISO 17025            |
| Chromium III in water                                              | In-house method by calculation from total Cr and Cr VI                                                                                   | In-house method by calculation                                                                                | L080          | W                  | NONE                 |
| Hexavalent chromium in water                                       | Determination of hexavalent chromium in water by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry                | In-house method by continuous flow analyser. Accredited Matrices SW, GW, PW                                   | L080          | W                  | ISO 17025            |
| Total petroleum hydrocarbons by GC-MS HS in water                  | Determination of total petroleum hydrocarbons in water by GC-MS HS                                                                       | In-house method                                                                                               | L088B         | W                  | ISO 17025            |
| pH at 20°C in water (automated)                                    | Determination of pH in water by electrometric measurement. Accredited matrices: SW PW GW                                                 | In-house method                                                                                               | L099          | W                  | ISO 17025            |
| Speciated PAHs and/or Semi-volatile organic compounds in water     | Determination of semi-volatile organic compounds (including PAH) in leachate by extraction in dichloromethane followed by GC-MS          | In-house method based on USEPA 8270                                                                           | L102B         | W                  | ISO 17025            |

**Analytical Report Number : 24-030400**  
**Project / Site name: Shinfield Park, Reading**

**Water matrix abbreviations:**

**Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)**

| Analytical Test Name | Analytical Method Description                                                                                                     | Analytical Method Reference                                                         | Method number | Wet / Dry Analysis | Accreditation Status |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------|--------------------|----------------------|
| Sulphate in water    | Determination of sulphate in water after filtration by acidification followed by ICP-OES. Accredited Matrices SW, GW, PW, PrW, LL | In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil | L039B         | W                  | ISO 17025            |

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

## Information in Support of Analytical Results

### List of HWOL Acronyms and Operators

| Acronym | Descriptions                                                           |
|---------|------------------------------------------------------------------------|
| HS      | Headspace Analysis                                                     |
| MS      | Mass spectrometry                                                      |
| FID     | Flame Ionisation Detector                                              |
| GC      | Gas Chromatography                                                     |
| EH      | Extractable Hydrocarbons (i.e. everything extracted by the solvent(s)) |
| CU      | Clean-up - e.g. by Florisil®, silica gel                               |
| 1D      | GC - Single coil/column gas chromatography                             |
| 2D      | GC-GC - Double coil/column gas chromatography                          |
| Total   | Aliphatics & Aromatics                                                 |
| AL      | Aliphatics                                                             |
| AR      | Aromatics                                                              |
| #1      | EH_2D_Total but with humics mathematically subtracted                  |
| #2      | EH_2D_Total but with fatty acids mathematically subtracted             |
| _       | Operator - underscore to separate acronyms (exception for +)           |
| +       | Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total     |

Quality control parameter failure associated with individual result applies to calculated sum of individuals.

The result for sum should be interpreted with caution



TRC Companies Ltd  
2 John Street  
London  
WC1N 2ES

i2 Analytical Ltd.  
7 Woodshots Meadow,  
Croxley Green  
Business Park,  
Watford,  
Herts,  
WD18 8YS

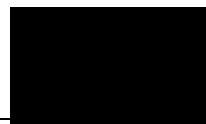
e: snichols@trccompanies.com

t: 01923 225404  
f: 01923 237404  
e: reception@i2analytical.com

## **Analytical Report Number : 24-027105**

|                             |                         |                                                        |            |
|-----------------------------|-------------------------|--------------------------------------------------------|------------|
| <b>Project / Site name:</b> | Shinfield Park, Reading | <b>Samples received on:</b>                            | 21.06.2024 |
| <b>Your job number:</b>     | 610344                  | <b>Samples instructed on/<br/>Analysis started on:</b> | 25.06.2024 |
| <b>Your order number:</b>   | 610344                  | <b>Analysis completed by:</b>                          | 03.07.2024 |
| <b>Report Issue Number:</b> | 1                       | <b>Report issued on:</b>                               | 03.07.2024 |
| <b>Samples Analysed:</b>    | 4 soil samples          |                                                        |            |

**Signed:**



Rafał Szczepańczyk  
Technical Reviewer  
**For & on behalf of i2 Analytical Ltd.**

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting  
leachates - 2 weeks from reporting  
waters - 2 weeks from reporting  
asbestos - 6 months from reporting

Excel copies of reports are only valid when accompanied by this PDF certificate.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.  
Application of uncertainty of measurement would provide a range within which the true result lies.  
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 24-027105  
Project / Site name: Shinfield Park, Reading  
Your Order No: 610344

| Lab Sample Number                       | 238221        | 238222             | 238223                  | 238224        |
|-----------------------------------------|---------------|--------------------|-------------------------|---------------|
| Sample Reference                        | WS106         | WS108              | WS108                   | WS108         |
| Sample Number                           | None Supplied | None Supplied      | None Supplied           | None Supplied |
| Depth (m)                               | 0.50          | 0.40               | 0.50                    | 1.20          |
| Date Sampled                            | 21/06/2024    | 21/06/2024         | 21/06/2024              | 21/06/2024    |
| Time Taken                              | None Supplied | None Supplied      | None Supplied           | None Supplied |
| Analytical Parameter<br>(Soil Analysis) | Units         | Limit of detection | Accreditation<br>Status |               |

|                               |    |      |      |       |       |       |       |
|-------------------------------|----|------|------|-------|-------|-------|-------|
| Stone Content                 | %  | 0.1  | NONE | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| Moisture Content              | %  | 0.01 | NONE | 21    | 20    | 15    | 16    |
| Total mass of sample received | kg | 0.1  | NONE | 1.2   | 0.9   | 0.9   | 1.1   |

#### Asbestos

|                                        |      |     |           |              |              |              |   |
|----------------------------------------|------|-----|-----------|--------------|--------------|--------------|---|
| Asbestos in Soil Detected/Not Detected | Type | N/A | ISO 17025 | Not-detected | Not-detected | Not-detected | - |
| Asbestos Analyst ID                    | N/A  | N/A | N/A       | MJN          | MJN          | MJN          | - |

#### General Inorganics

|                                                                         |          |      |        |     |      |       |     |
|-------------------------------------------------------------------------|----------|------|--------|-----|------|-------|-----|
| pH (L099)                                                               | pH Units | N/A  | MCERTS | 9.3 | 10.5 | 8.1   | 7.4 |
| Total Cyanide                                                           | mg/kg    | 1    | MCERTS | -   | -    | < 1.0 | -   |
| Water Soluble Sulphate as SO <sub>4</sub> 16hr extraction (2:1)         | mg/kg    | 2.5  | MCERTS | -   | -    | 5700  | -   |
| Water Soluble SO <sub>4</sub> 16hr extraction (2:1 Leachate Equivalent) | mg/l     | 1.25 | MCERTS | -   | -    | 2860  | -   |
| Organic Matter (automated)                                              | %        | 0.1  | MCERTS | -   | -    | 0.6   | -   |
| Total Organic Carbon (TOC) - Automated                                  | %        | 0.1  | MCERTS | -   | -    | 0.3   | -   |

#### Speciated PAHs

|                        |       |      |           |        |        |        |        |
|------------------------|-------|------|-----------|--------|--------|--------|--------|
| Naphthalene            | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Acenaphthylene         | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Acenaphthene           | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Fluorene               | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Phenanthrene           | mg/kg | 0.05 | MCERTS    | < 0.05 | 0.11   | < 0.05 | < 0.05 |
| Anthracene             | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Fluoranthene           | mg/kg | 0.05 | MCERTS    | < 0.05 | 0.2    | < 0.05 | < 0.05 |
| Pyrene                 | mg/kg | 0.05 | MCERTS    | < 0.05 | 0.17   | < 0.05 | < 0.05 |
| Benzo(a)anthracene     | mg/kg | 0.05 | MCERTS    | < 0.05 | 0.11   | < 0.05 | < 0.05 |
| Chrysene               | mg/kg | 0.05 | MCERTS    | < 0.05 | 0.14   | < 0.05 | < 0.05 |
| Benzo(b)fluoranthene   | mg/kg | 0.05 | ISO 17025 | < 0.05 | 0.13   | < 0.05 | < 0.05 |
| Benzo(k)fluoranthene   | mg/kg | 0.05 | ISO 17025 | < 0.05 | 0.06   | < 0.05 | < 0.05 |
| Benzo(a)pyrene         | mg/kg | 0.05 | MCERTS    | < 0.05 | 0.12   | < 0.05 | < 0.05 |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.05 | MCERTS    | < 0.05 | 0.09   | < 0.05 | < 0.05 |
| Dibenz(a,h)anthracene  | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(ghi)perylene     | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 |

#### Total PAH

|                             |       |     |           |        |      |        |        |
|-----------------------------|-------|-----|-----------|--------|------|--------|--------|
| Speciated Total EPA-16 PAHs | mg/kg | 0.8 | ISO 17025 | < 0.80 | 1.12 | < 0.80 | < 0.80 |
|-----------------------------|-------|-----|-----------|--------|------|--------|--------|

#### Heavy Metals / Metalloids

|                                   |       |     |        |       |       |       |       |
|-----------------------------------|-------|-----|--------|-------|-------|-------|-------|
| Arsenic (aqua regia extractable)  | mg/kg | 1   | MCERTS | 11    | 10    | 14    | 13    |
| Boron (water soluble)             | mg/kg | 0.2 | MCERTS | 0.4   | 0.5   | 0.3   | 0.3   |
| Cadmium (aqua regia extractable)  | mg/kg | 0.2 | MCERTS | < 0.2 | < 0.2 | < 0.2 | < 0.2 |
| Chromium (hexavalent)             | mg/kg | 1.8 | MCERTS | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| Chromium (III)                    | mg/kg | 1   | NONE   | 37    | 32    | 44    | 50    |
| Chromium (aqua regia extractable) | mg/kg | 1   | MCERTS | 37    | 32    | 44    | 50    |
| Copper (aqua regia extractable)   | mg/kg | 1   | MCERTS | 58    | 180   | 18    | 18    |
| Lead (aqua regia extractable)     | mg/kg | 1   | MCERTS | 12    | 11    | 16    | 15    |
| Mercury (aqua regia extractable)  | mg/kg | 0.3 | MCERTS | < 0.3 | < 0.3 | < 0.3 | < 0.3 |
| Nickel (aqua regia extractable)   | mg/kg | 1   | MCERTS | 31    | 39    | 30    | 33    |
| Selenium (aqua regia extractable) | mg/kg | 1   | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Zinc (aqua regia extractable)     | mg/kg | 1   | MCERTS | 55    | 45    | 65    | 66    |

Analytical Report Number: 24-027105  
Project / Site name: Shinfield Park, Reading  
Your Order No: 610344

|                                         |               |                    |                      |               |
|-----------------------------------------|---------------|--------------------|----------------------|---------------|
| Lab Sample Number                       | 238221        | 238222             | 238223               | 238224        |
| Sample Reference                        | WS106         | WS108              | WS108                | WS108         |
| Sample Number                           | None Supplied | None Supplied      | None Supplied        | None Supplied |
| Depth (m)                               | 0.50          | 0.40               | 0.50                 | 1.20          |
| Date Sampled                            | 21/06/2024    | 21/06/2024         | 21/06/2024           | 21/06/2024    |
| Time Taken                              | None Supplied | None Supplied      | None Supplied        | None Supplied |
| Analytical Parameter<br>(Soil Analysis) | Units         | Limit of detection | Accreditation Status |               |

#### Petroleum Hydrocarbons

|                                                          |       |      |        |         |         |         |         |
|----------------------------------------------------------|-------|------|--------|---------|---------|---------|---------|
| TPHCWG - Aliphatic >EC5 - EC6 <sub>HS_1D_AL</sub>        | mg/kg | 0.02 | NONE   | < 0.020 | < 0.020 | < 0.020 | < 0.020 |
| TPHCWG - Aliphatic >EC6 - EC8 <sub>HS_1D_AL</sub>        | mg/kg | 0.02 | NONE   | < 0.020 | < 0.020 | < 0.020 | < 0.020 |
| TPHCWG - Aliphatic >EC8 - EC10 <sub>HS_1D_AL</sub>       | mg/kg | 0.05 | NONE   | < 0.050 | < 0.050 | < 0.050 | < 0.050 |
| TPHCWG - Aliphatic >EC10 - EC12 <sub>EH_CU_1D_AL</sub>   | mg/kg | 1    | MCERTS | < 1.0   | < 1.0   | < 1.0   | < 1.0   |
| TPHCWG - Aliphatic >EC12 - EC16 <sub>EH_CU_1D_AL</sub>   | mg/kg | 2    | MCERTS | < 2.0   | < 2.0   | < 2.0   | < 2.0   |
| TPHCWG - Aliphatic >EC16 - EC21 <sub>EH_CU_1D_AL</sub>   | mg/kg | 8    | MCERTS | < 8.0   | < 8.0   | < 8.0   | < 8.0   |
| TPHCWG - Aliphatic >EC21 - EC35 <sub>EH_CU_1D_AL</sub>   | mg/kg | 8    | MCERTS | < 8.0   | 24      | < 8.0   | < 8.0   |
| TPHCWG - Aliphatic >EC5 - EC35 <sub>EH_CU+HS_1D_AL</sub> | mg/kg | 10   | NONE   | < 10    | 24      | < 10    | < 10    |

|                                                         |       |      |        |         |         |         |         |
|---------------------------------------------------------|-------|------|--------|---------|---------|---------|---------|
| TPHCWG - Aromatic >EC5 - EC7 <sub>HS_1D_AR</sub>        | mg/kg | 0.01 | NONE   | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aromatic >EC7 - EC8 <sub>HS_1D_AR</sub>        | mg/kg | 0.01 | NONE   | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aromatic >EC8 - EC10 <sub>HS_1D_AR</sub>       | mg/kg | 0.05 | NONE   | < 0.050 | < 0.050 | < 0.050 | < 0.050 |
| TPHCWG - Aromatic >EC10 - EC12 <sub>EH_CU_1D_AR</sub>   | mg/kg | 1    | MCERTS | < 1.0   | < 1.0   | < 1.0   | < 1.0   |
| TPHCWG - Aromatic >EC12 - EC16 <sub>EH_CU_1D_AR</sub>   | mg/kg | 2    | MCERTS | < 2.0   | < 2.0   | < 2.0   | < 2.0   |
| TPHCWG - Aromatic >EC16 - EC21 <sub>EH_CU_1D_AR</sub>   | mg/kg | 10   | MCERTS | < 10    | < 10    | < 10    | < 10    |
| TPHCWG - Aromatic >EC21 - EC35 <sub>EH_CU_1D_AR</sub>   | mg/kg | 10   | MCERTS | < 10    | < 10    | < 10    | < 10    |
| TPHCWG - Aromatic >EC5 - EC35 <sub>EH_CU+HS_1D_AR</sub> | mg/kg | 10   | NONE   | < 10    | < 10    | < 10    | < 10    |

|                                                              |       |   |           |   |   |       |   |
|--------------------------------------------------------------|-------|---|-----------|---|---|-------|---|
| Petroleum Range Organics (EC6 - EC10) <sub>HS_1D_TOTAL</sub> | mg/kg | 1 | ISO 17025 | - | - | < 1.0 | - |
|--------------------------------------------------------------|-------|---|-----------|---|---|-------|---|

#### VOCs

|                                    |       |   |        |       |       |       |       |
|------------------------------------|-------|---|--------|-------|-------|-------|-------|
| MTBE (Methyl Tertiary Butyl Ether) | µg/kg | 5 | NONE   | < 5.0 | < 5.0 | < 5.0 | < 5.0 |
| Benzene                            | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 | < 5.0 |
| Toluene                            | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 | < 5.0 |
| Ethylbenzene                       | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 | < 5.0 |
| p & m-Xylene                       | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 | < 5.0 |
| o-Xylene                           | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 | < 5.0 |

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

**Analytical Report Number : 24-027105**

**Project / Site name: Shinfield Park, Reading**

\* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

| Lab Sample Number | Sample Reference | Sample Number | Depth (m) | Sample Description *   |
|-------------------|------------------|---------------|-----------|------------------------|
| 238221            | WS106            | None Supplied | 0.5       | Brown clay and sand    |
| 238222            | WS108            | None Supplied | 0.4       | Grey sandy clay        |
| 238223            | WS108            | None Supplied | 0.5       | Brown clay with gravel |
| 238224            | WS108            | None Supplied | 1.2       | Brown clay and sand    |

**Analytical Report Number : 24-027105**

**Project / Site name: Shinfield Park, Reading**

**Water matrix abbreviations:**

**Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)**

| Analytical Test Name                                                        | Analytical Method Description                                                                                                                       | Analytical Method Reference                                                                            | Method number | Wet / Dry Analysis | Accreditation Status |
|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|---------------|--------------------|----------------------|
| Asbestos identification in Soil                                             | Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques                               | In-house method based on HSG 248, 2021                                                                 | A001B         | D                  | ISO 17025            |
| Organic matter (Automated) in soil                                          | Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method) | In-house method                                                                                        | L009B         | D                  | MCERTS               |
| Total organic carbon (Automated) in soil                                    | Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method) | In-house method                                                                                        | L009B         | D                  | MCERTS               |
| Moisture Content                                                            | Moisture content, determined gravimetrically (up to 30°C)                                                                                           | In-house method                                                                                        | L019B         | W                  | NONE                 |
| Stones content of soil                                                      | Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight                          | In-house method based on British Standard Methods and MCERTS requirements.                             | L019B         | D                  | NONE                 |
| Metals in soil by ICP-OES                                                   | Determination of metals in soil by aqua-regia digestion followed by ICP-OES                                                                         | In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil                    | L038B         | D                  | MCERTS               |
| Boron, water soluble, in soil                                               | Determination of water soluble boron in soil by hot water extract followed by ICP-OES                                                               | In-house method based on Second Site Properties version 3                                              | L038B         | D                  | MCERTS               |
| Sulphate, water soluble, in soil (16hr extraction)                          | Sulphate, water soluble, in soil (16hr extraction)                                                                                                  | In-house method                                                                                        | L038B         | D                  | MCERTS               |
| Speciated PAHs and/or Semi-volatile organic compounds in soil               | Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS              | In-house method based on USEPA 8270                                                                    | L064B         | D                  | MCERTS               |
| BTEX and/or Volatile organic compounds in soil                              | Determination of volatile organic compounds in soil by headspace GC-MS                                                                              | In-house method based on USEPA 8260                                                                    | L073B         | W                  | MCERTS               |
| Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil | Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS with carbon banding aliphatic and aromatic                                 | In-house method                                                                                        | L076B/L088    | D/W                | MCERTS               |
| Chromium III in soil                                                        | In-house method by calculation from total Cr and Cr VI                                                                                              | In-house method by calculation                                                                         | L080          | W                  | NONE                 |
| Hexavalent chromium in soil                                                 | Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry                    | In-house method                                                                                        | L080          | W                  | MCERTS               |
| Total cyanide in soil                                                       | Determination of total cyanide by distillation followed by colorimetry                                                                              | In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton | L080          | W                  | MCERTS               |
| Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil                     | Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS                                                                            | In-house method                                                                                        | L129B         | D/W                | ISO 17025            |

**Analytical Report Number : 24-027105**

**Project / Site name: Shinfield Park, Reading**

**Water matrix abbreviations:**

**Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)**

| Analytical Test Name   | Analytical Method Description                                                                    | Analytical Method Reference | Method number | Wet / Dry Analysis | Accreditation Status |
|------------------------|--------------------------------------------------------------------------------------------------|-----------------------------|---------------|--------------------|----------------------|
| pH in soil (automated) | Determination of pH in soil by addition of water followed by automated electrometric measurement | In-house method             | L099          | D                  | MCERTS               |

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30°C.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

## Information in Support of Analytical Results

### List of HWOL Acronyms and Operators

| Acronym | Descriptions                                                           |
|---------|------------------------------------------------------------------------|
| HS      | Headspace Analysis                                                     |
| MS      | Mass spectrometry                                                      |
| FID     | Flame Ionisation Detector                                              |
| GC      | Gas Chromatography                                                     |
| EH      | Extractable Hydrocarbons (i.e. everything extracted by the solvent(s)) |
| CU      | Clean-up - e.g. by Florisil®, silica gel                               |
| 1D      | GC - Single coil/column gas chromatography                             |
| 2D      | GC-GC - Double coil/column gas chromatography                          |
| Total   | Aliphatics & Aromatics                                                 |
| AL      | Aliphatics                                                             |
| AR      | Aromatics                                                              |
| #1      | EH_2D_Total but with humics mathematically subtracted                  |
| #2      | EH_2D_Total but with fatty acids mathematically subtracted             |
| -       | Operator - underscore to separate acronyms (exception for +)           |
| +       | Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total     |

Quality control parameter failure associated with individual result applies to calculated sum of individuals.

The result for sum should be interpreted with caution

**Analytical Report Number : 24-027105**

**Project / Site name: Shinfield Park, Reading**

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis. Please note that the associated result(s) may be unreliable and should be interpreted with care.

Key: a - No sampling date b - Incorrect container c - Holding time d - Headspace e - Temperature

| Sample ID | Other ID | Sample Type | Lab Sample Number | Sample Deviation | Test Name                                                                   | Test Ref   | Test Deviation |
|-----------|----------|-------------|-------------------|------------------|-----------------------------------------------------------------------------|------------|----------------|
| WS108     | N/A      | S           | 238223            | b                | BTEX and/or Volatile organic compounds in soil                              | L073B      | b              |
| WS108     | N/A      | S           | 238223            | b                | Speciated PAHs and/or Semi-volatile organic compounds in soil               | L064B      | b              |
| WS108     | N/A      | S           | 238223            | b                | Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil | L076B/L088 | b              |

## **Annex G: Screened Data**

| TRC - Human Health Risk Assessment   |       |          |      |      |      |                  |            |            |            |            |            | Shinfield Park, Reading |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |        |        |        |     |     |
|--------------------------------------|-------|----------|------|------|------|------------------|------------|------------|------------|------------|------------|-------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------|--------|--------|-----|-----|
| Project/Site Name                    |       |          |      |      |      |                  |            |            |            |            |            |                         |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |        |        |        |     |     |
| Project Number                       |       |          |      |      |      | 610344.0000.0000 |            |            |            |            |            |                         |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |        |        |        |     |     |
|                                      |       |          |      |      |      |                  |            |            |            |            |            |                         |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |        |        |        |     |     |
| Sample Reference                     |       |          |      |      |      | WS106            | WS106      | WS108      | WS108      | WS108      | WS101      | WS101                   | WS102      | WS102      | WS103      | WS103      | WS104      | WS104      | WS105      | WS105      | WS105      | WS107      | WS107      | WS109      | WS109      | WS112      | WS112      |        |        |        |     |     |
| Depth                                |       |          |      |      |      | 0.5              | 2.2        | 0.4        | 0.5        | 1.2        | 0.25       | 1.2                     | 0.5        | 0.9        | 0.2        | 1.1        | 0.5        | 1.4        | 0.25       | 0.7        | 2.5        | 0.3        | 1.2        | 0.3        | 1.1        | 0.15       | 1.8        |        |        |        |     |     |
| Date Sampled                         |       |          |      |      |      | 21/06/2024       | 21/06/2024 | 21/06/2024 | 21/06/2024 | 21/06/2024 | 19/06/2024 | 19/06/2024              | 19/06/2024 | 19/06/2024 | 20/06/2024 | 20/06/2024 | 20/06/2024 | 20/06/2024 | 20/06/2024 | 20/06/2024 | 20/06/2024 | 19/06/2024 | 19/06/2024 | 19/06/2024 | 19/06/2024 | 20/06/2024 | 20/06/2024 |        |        |        |     |     |
|                                      |       |          |      |      |      |                  |            |            |            |            |            |                         |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |        |        |        |     |     |
| Analytical Parameter (Soil Analysis) |       |          |      |      |      | Units            | GAC        | Source     | Min        | Max        |            |                         |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |        |        |        |     |     |
| pH                                   |       |          |      |      |      | pH units         | -          | -          | 6.4        | 10.7       | 9.3        | 7.9                     | 10.5       | 8.1        | 7.4        | 9.9        | 8.2        | 10.7       | 8.1        | 8.3        | 6.4        | 6.8        | 7.7        | 9.3        | 7.9        | 8.6        | 8.4        | 8.3    | 8.1    | 8.3    | 8.5 | 7.3 |
|                                      |       |          |      |      |      |                  |            |            |            |            |            |                         |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |        |        |        |     |     |
| Speciated PAHs                       |       |          |      |      |      |                  |            |            |            |            |            |                         |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |        |        |        |     |     |
| Naphthalene                          | mg/kg | 190      | S4UL | 0    | 0    | < 0.05           | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05                  | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05 | < 0.05 | < 0.05 |     |     |
| Acenaphthylene                       | mg/kg | 83000    | S4UL | 0    | 0    | < 0.05           | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05                  | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05 | < 0.05 | < 0.05 |     |     |
| Acenaphthene                         | mg/kg | 84000    | S4UL | 0    | 0    | < 0.06           | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05                  | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05 | < 0.05 | < 0.05 |     |     |
| Fluorene                             | mg/kg | 63000    | S4UL | 0    | 0    | < 0.07           | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05                  | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05 | < 0.05 | < 0.05 |     |     |
| Phenanthrene                         | mg/kg | 22000    | S4UL | 0.09 | 0.12 | < 0.08           | 0.09       | 0.11       | < 0.05     | < 0.05     | 0.1        | < 0.05                  | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.12     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05 | < 0.05 | < 0.05 |     |     |
| Anthracene                           | mg/kg | 520000   | S4UL | 0    | 0    | < 0.09           | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05                  | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05 | < 0.05 | < 0.05 |     |     |
| Fluoranthene                         | mg/kg | 23000    | S4UL | 0.18 | 0.2  | < 0.10           | 0.18       | 0.2        | < 0.05     | < 0.05     | < 0.05     | < 0.05                  | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | 0.2        | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05 | < 0.05 | < 0.05 |     |     |
| Pyrene                               | mg/kg | 54000    | S4UL | 0.13 | 0.19 | < 0.11           | 0.13       | 0.17       | < 0.05     | < 0.05     | < 0.05     | < 0.05                  | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | 0.19       | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05 | < 0.05 | < 0.05 |     |     |
| Benzo(a)anthracene                   | mg/kg | 170      | S4UL | 0.11 | 0.12 | < 0.12           | < 0.05     | 0.11       | < 0.05     | < 0.05     | < 0.05     | < 0.05                  | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | 0.12       | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05 | < 0.05 | < 0.05 |     |     |
| Chrysene                             | mg/kg | 350      | S4UL | 0.09 | 0.15 | < 0.13           | 0.09       | 0.14       | < 0.05     | < 0.05     | < 0.05     | < 0.05                  | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | 0.15       | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05 | < 0.05 | < 0.05 |     |     |
| Benzo(b)fluoranthene                 | mg/kg | 44       | S4UL | 0.09 | 0.13 | < 0.14           | 0.09       | 0.13       | < 0.05     | < 0.05     | < 0.05     | < 0.05                  | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05 | < 0.05 | < 0.05 |     |     |
| Benzo(k)fluoranthene                 | mg/kg | 1200     | S4UL | 0.06 | 0.06 | < 0.15           | 0.06       | 0.06       | < 0.05     | < 0.05     | < 0.05     | < 0.05                  | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05 | < 0.05 | < 0.05 |     |     |
| Benzo(a)pyrene                       | mg/kg | 35       | S4UL | 0.12 | 0.12 | < 0.16           | < 0.05     | 0.12       | < 0.05     | < 0.05     | < 0.05     | < 0.05                  | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05 | < 0.05 | < 0.05 |     |     |
| Indeno(1,2,3-cd)pyrene               | mg/kg | 500      | S4UL | 0.09 | 0.09 | < 0.17           | < 0.05     | 0.09       | < 0.05     | < 0.05     | < 0.05     | < 0.05                  | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05 | < 0.05 | < 0.05 |     |     |
| Dibenz(a,h)anthracene                | mg/kg | 3.5      | S4UL | 0    | 0    | < 0.18           | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05                  | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05 | < 0.05 | < 0.05 |     |     |
| Benzo(ghi)perylene                   | mg/kg | 3900     | S4UL | 0    | 0    | < 0.19           | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05                  | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05     | < 0.05 | < 0.05 | < 0.05 |     |     |
| Total PAH                            |       |          |      |      |      |                  |            |            |            |            |            |                         |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |        |        |        |     |     |
| Speciated Total EPA-16 PAHs          | mg/kg | -        | -    | 1.12 | 1.12 | < 0.80           | < 0.80     | 1.12       | < 0.80     | < 0.80     | < 0.80     | < 0.80                  | < 0.80     | < 0.80     | < 0.80     | < 0.80     | < 0.80     | < 0.80     | < 0.80     | < 0.80     | < 0.80     | < 0.80     | < 0.80     | < 0.80     | < 0.80     | < 0.80     | < 0.80     | < 0.80 | < 0.80 | < 0.80 |     |     |
|                                      |       |          |      |      |      |                  |            |            |            |            |            |                         |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |        |        |        |     |     |
| Heavy Metals / Metalloids            |       |          |      |      |      |                  |            |            |            |            |            |                         |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |        |        |        |     |     |
| Arsenic                              | mg/kg | 640      | S4UL | 3.5  | 21   | 11               | 14         | 10         | 14         | 13         | 11         | 21                      | 6.5        | 15         | 8.3        | 11         | 4.8        | 13         | 5.4        | 14         | 15         | 14         | 15         | 9.5        | 7.6        | 3.5        | 18         |        |        |        |     |     |
| Boron                                | mg/kg | 240000   | S4UL | 0.2  | 1.2  | 0.4              | 0.5        | 0.5        | 0.3        | 0.3        | 0.5        | 0.3                     | 1.1        | 0.3        | < 0.2      | 0.3        | 0.3        | 0.2        | 0.4        | 0.2        | < 0.2      | < 0.2      | 1.2        | 0.4        | < 0.2      | < 0.2      |            |        |        |        |     |     |
| Cadmium                              | mg/kg | 190      | S4UL | 1.1  | 1.1  | < 0.2            | < 0.2      | < 0.2      | < 0.2      | < 0.2      | < 0.2      | < 0.2                   | < 0.2      | < 0.2      | < 0.2      | < 0.2      | < 0.2      | < 0.2      | < 0.2      | < 0.2      | < 0.2      | < 0.2      | 1.1        | < 0.2      | < 0.2      | < 0.2      |            |        |        |        |     |     |
| Chromium (hexavalent)                | mg/kg | 33       | S4UL | 0    | 0    | < 1.8            | < 1.8      | < 1.8      | < 1.8      | < 1.8      | < 1.8      | < 1.8                   | < 1.8      | < 1.8      | < 1.8      | < 1.8      | < 1.8      | < 1.8      | < 1.8      | < 1.8      | < 1.8      | < 1.8      | < 1.8      | < 1.8      | < 1.8      | < 1.8      | < 1.8      | < 1.8  | < 1.8  | < 1.8  |     |     |
| Chromium (III)                       | mg/kg | 8600     | S4UL | 5.9  | 51   | 37               | 48         | 32         | 44         | 50         | 7.2        | 51                      | 15         | 49         | 9.6        | 37         | 18         | 48         | 11         | 38         | 46         | 51         | 45         | 26         | 26         | 5.9        | 47         |        |        |        |     |     |
| Chromium                             | mg/kg | 8600     | S4UL | 5.9  | 51   | 37               | 48         | 32         | 44         | 50         | 7.2        | 51                      | 15         | 49         | 9.6        | 37         | 18         | 48         | 11         | 38         | 46         | 51         | 45         | 26         | 26         | 5.9        | 47         |        |        |        |     |     |
| Copper                               | mg/kg | 68000    | S4UL | 3    | 180  | 58               | 26         | 180        | 18         | 18         | 3          | 23                      | 5.1        | 19         | 5.4        | 12         | 6.3        | 18         | 7.5        | 16         | 17         | 13         | 9.3        | 9.3        | 5.4        | 18         |            |        |        |        |     |     |
| Lead                                 | mg/kg | 2330     | C4SL | 4.6  | 49   | 12               | 20         | 11         | 16         | 15         | 8.4        | 17                      | 4.6        | 15         | 5.2        | 14         | 11         | 14         | 22         | 49         | 18         | 16         | 11         | 25         | 13         | 5.7        | 18         |        |        |        |     |     |
| Mercury                              | mg/kg | 1100     | S4UL | 0    | 0    | < 0.3            | < 0.3      | < 0.3      | < 0.3      | < 0.3      | < 0.3      | < 0.3                   | < 0.3      | < 0.3      | < 0.3      | < 0.3      | < 0.3      | < 0.3      | < 0.3      | < 0.3      | < 0.3      | < 0.3      | < 0.3      | < 0.3      | < 0.3      | < 0.3      | < 0.3      | < 0.3  | < 0.3  | < 0.3  |     |     |
| Nickel                               | mg/kg | 980      | S4UL | 5.2  | 41   | 31               | 34         | 39         | 30         | 33         | 5.5        | 41                      | 8.7        | 40         | 9.5        | 10         | 8          | 30         | 7.8        | 21         | 28         | 24         | 32         | 18         | 15         | 5.2        | 36         |        |        |        |     |     |
| Selenium                             | mg/kg | 12000    | S4UL | 0    | 0    | < 1.0            | < 1.0      | < 1.0      | < 1.0      | < 1.0      | < 1.0      | < 1.0                   | < 1.0      | < 1.0      | < 1.0      | < 1.0      | < 1.0      | < 1.0      | < 1.0      | < 1.0      | < 1.0      | < 1.0      | < 1.0      | < 1.0      | < 1.0      | < 1.0      | < 1.0      | < 1.0  | < 1.0  | < 1.0  |     |     |
| Zinc                                 | mg/kg | 730000   | S4UL | 12   | 83   | 55               | 80         | 45         | 65         | 66         | 52         | 83                      | 18         | 70         | 19         | 38         | 26         | 68         | 29         | 71         | 65         | 57         | 50         | 72         | 33         | 12         | 64         |        |        |        |     |     |
|                                      |       |          |      |      |      |                  |            |            |            |            |            |                         |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |        |        |        |     |     |
| Monoaromatics                        |       |          |      |      |      |                  |            |            |            |            |            |                         |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |        |        |        |     |     |
| Benzene                              | µg/kg | 27000    | S4UL | 0    | 0    | < 5.0            | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0                   | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0  | < 5.0  | < 5.0  |     |     |
| Toluene                              | µg/kg | 56000000 | S4UL | 0    | 0    | < 5.0            | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0                   | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0  | < 5.0  | < 5.0  |     |     |
| Ethylbenzene                         | µg/kg | 5700000  | S4UL | 0    | 0    | < 5.0            | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0                   | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0  | < 5.0  | < 5.0  |     |     |
| p & m-xylene                         | µg/kg | 5900000  | S4UL | 0    | 0    | < 5.0            | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0                   | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0  | < 5.0  | < 5.0  |     |     |
| o-xylene                             | µg/kg | 6600000  | S4UL | 0    | 0    | < 5.0            | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0                   | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0  | < 5.0  | < 5.0  |     |     |
| MTBE (Methyl Tertiary Butyl Ether)   | µg/kg | 7900000  | EIC  | 0    | 0    | < 5.0            | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0                   | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0      | < 5.0  | < 5.0  | < 5.0  |     |     |
|                                      |       |          |      |      |      |                  |            |            |            |            |            |                         |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |        |        |        |     |     |
| Petroleum Hydrocarbons               |       |          |      |      |      |                  |            |            |            |            |            |                         |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |        |        |        |     |     |
| TPH-CWG - Aliphatic >EC5 - EC6       | mg/kg | 3200     | S4UL | 0    | 0    | < 0.020</        |            |            |            |            |            |                         |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |        |        |        |     |     |

| TRC Companies Ltd - Chemical Assessment Record |       |                       |                    |      |                         |               |               |               |       |
|------------------------------------------------|-------|-----------------------|--------------------|------|-------------------------|---------------|---------------|---------------|-------|
| Contract Engineer                              |       |                       |                    |      | JGH                     |               |               |               |       |
| Project/Site Name                              |       |                       |                    |      | Shinfield Park, Reading |               |               |               |       |
| Project Number                                 |       |                       |                    |      | 610344.0000.0000        |               |               |               |       |
| Sample Reference                               |       |                       |                    |      | WS101                   | WS102         | WS103         | WS107         |       |
| Depth                                          |       |                       |                    |      | None Supplied           | None Supplied | None Supplied | None Supplied |       |
| Date Sampled                                   |       |                       |                    |      | 12/07/2024              | 12/07/2024    | 12/07/2024    | 12/07/2024    |       |
| Time Taken                                     |       |                       |                    |      | None Supplied           | None Supplied | None Supplied | None Supplied |       |
| Determinand                                    | Unit  | Source                | Screening Criteria | Min  | Max                     |               |               |               |       |
| General Inorganics                             |       |                       |                    |      |                         |               |               |               |       |
| pH                                             |       | N/A                   | N/A                | 0.00 | 7.60                    | 7.4           | 7.3           | 7.4           | 7.6   |
| Electrical Conductivity at 20 °C               | µS/cm | N/A                   | N/A                | 0    | 0                       | 0             | 0             | 0             | 0     |
| Total Cyanide                                  | µg/l  | N/A                   | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0     |
| Complex Cyanide                                | µg/l  | N/A                   | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0     |
| Free Cyanide                                   | µg/l  | N/A                   | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0     |
| Thiocyanate as SCN                             | µg/l  | N/A                   | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0     |
| Sulphate as SO <sub>4</sub>                    | µg/l  | N/A                   | N/A                | 0    | 0                       | 0             | 0             | 0             | 0     |
| Sulphate as SO <sub>4</sub>                    | mg/l  | N/A                   | N/A                | 0.00 | 1830.00                 | 1830          | 1550          | 1590          | 1490  |
| Total Sulphur                                  | µg/l  | N/A                   | N/A                | 0    | 0                       | 0             | 0             | 0             | 0     |
| Sulphide                                       | µg/l  | N/A                   | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0     |
| Chloride                                       | mg/l  | US EPA                | 250                | 0.00 | 0.00                    | 0             | 0             | 0             | 0     |
| Ammonium as NH <sub>4</sub>                    | µg/l  | N/A                   | N/A                | 0    | 0                       | 0             | 0             | 0             | 0     |
| Dissolved Organic Carbon (DOC)                 | mg/l  | N/A                   | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0     |
| Total Suspended Solids                         | mg/l  | N/A                   | N/A                | 0    | 0                       | 0             | 0             | 0             | 0     |
| Phenols by HPLC                                |       |                       |                    |      |                         |               |               |               |       |
| Catechol                                       | µg/l  | N/A                   | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0     |
| Resorcinol                                     | µg/l  | N/A                   | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0     |
| Ethylphenol & Dimethylphenol                   | µg/l  | N/A                   | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0     |
| Cresols                                        | µg/l  | N/A                   | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0     |
| Naphthols                                      | µg/l  | N/A                   | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0     |
| Isopropylphenol                                | µg/l  | N/A                   | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0     |
| Phenol                                         | µg/l  | N/A                   | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0     |
| Trimethylphenol                                | µg/l  | N/A                   | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0     |
| Total Phenols                                  |       |                       |                    |      |                         |               |               |               |       |
| Total Phenols (HPLC)                           | µg/l  | N/A                   | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0     |
| Speciated PAHs                                 |       |                       |                    |      |                         |               |               |               |       |
| Naphthalene (aq)                               | ug/l  | DWI 17                | 0.1                | 0.00 | 0.00                    | <0.01         | <0.01         | <0.01         | <0.01 |
| Acenaphthene (aq)                              | ug/l  | DWI 17                | 0.1                | 0.00 | 0.00                    | <0.01         | <0.01         | <0.01         | <0.01 |
| Acenaphthylene (aq)                            | ug/l  | DWI 17                | 0.1                | 0.00 | 0.00                    | <0.01         | <0.01         | <0.01         | <0.01 |
| Fluoranthene (aq)                              | ug/l  | DWI 17                | 0.1                | 0.00 | 0.00                    | <0.01         | <0.01         | <0.01         | <0.01 |
| Anthracene (aq)                                | ug/l  | DWI 17                | 0.1                | 0.00 | 0.00                    | <0.01         | <0.01         | <0.01         | <0.01 |
| Phenanthrene (aq)                              | ug/l  | DWI 17                | 0.1                | 0.00 | 0.00                    | <0.01         | <0.01         | <0.01         | <0.01 |
| Fluorene (aq)                                  | ug/l  | DWI 17                | 0.1                | 0.00 | 0.00                    | <0.01         | <0.01         | <0.01         | <0.01 |
| Chrysene (aq)                                  | ug/l  | DWI 17                | 0.1                | 0.00 | 0.00                    | <0.01         | <0.01         | <0.01         | <0.01 |
| Pyrene (aq)                                    | ug/l  | DWI 17                | 0.01               | 0.00 | 0.00                    | <0.01         | <0.01         | <0.01         | <0.01 |
| Benzo(a)anthracene (aq)                        | ug/l  | DWI 17                | 0.1                | 0.00 | 0.00                    | <0.01         | <0.01         | <0.01         | <0.01 |
| Benzo(b)fluoranthene (aq)                      | ug/l  | DWI 17                | 0.1                | 0.00 | 0.00                    | <0.01         | <0.01         | <0.01         | <0.01 |
| Benzo(k)fluoranthene (aq)                      | ug/l  | DWI 17                | 0.1                | 0.00 | 0.00                    | <0.01         | <0.01         | <0.01         | <0.01 |
| Benzo(a)pyrene (aq)                            | ug/l  | DWI 17                | 0.1                | 0.00 | 0.00                    | <0.01         | <0.01         | <0.01         | <0.01 |
| Dibenzo(a,h)anthracene (aq)                    | ug/l  | DWI 17                | 0.1                | 0.00 | 0.00                    | <0.01         | <0.01         | <0.01         | <0.01 |
| Benzo(g,h,i)perylene (aq)                      | ug/l  | DWI 17                | 0.1                | 0.00 | 0.00                    | <0.01         | <0.01         | <0.01         | <0.01 |
| Indeno(1,2,3-cd)pyrene (aq)                    | ug/l  | DWI 17                | 0.1                | 0.00 | 0.00                    | <0.01         | <0.01         | <0.01         | <0.01 |
| Total EPA-16 PAHs                              | ug/l  | DWI 17                | 0.1                | 0.00 | 0.00                    | <0.16         | <0.16         | <0.16         | <0.16 |
| Heavy Metals / Metalloids                      |       |                       |                    |      |                         |               |               |               |       |
| Arsenic (dissolved)                            | ug/l  | WSR 18                | 10                 | 0.00 | 0.92                    | 0.44          | 0.31          | 0.88          | 0.92  |
| Boron (dissolved)                              | ug/l  | WSR 18                | 1,000              | 0.00 | 250.00                  | 250           | 240           | 170           | 170   |
| Cadmium (dissolved)                            | ug/l  | WSR 18                | 5                  | 0.00 | 0.16                    | 0.07          | 0.05          | 0.16          | 0.05  |
| Chromium (hexavalent)                          | ug/l  | VHO CICA0 / US EPA RI | 5.4                | 0.00 | 0.00                    | <5.0          | <5.0          | <5.0          | <5.0  |
| Chromium (dissolved)                           | ug/l  | WSR 18                | 50                 | 0.00 | 7.70                    | 2             | 5.3           | 7.7           | 4.8   |
| Copper (dissolved)                             | ug/l  | WSR 18                | 2,000              | 0.00 | 8.20                    | 2.3           | 1.6           | 8.2           | 6.5   |
| Lead (dissolved)                               | ug/l  | WSR 18                | 10                 | 0.00 | 0.90                    | <0.2          | <0.2          | <0.2          | 0.9   |
| Mercury (dissolved)                            | ug/l  | WSR 18                | 1                  | 0.00 | 0.00                    | <0.05         | <0.05         | <0.05         | <0.05 |
| Nickel (dissolved)                             | ug/l  | WSR 18                | 20                 | 0.00 | 22.00                   | 4.3           | 3.6           | 22            | 8.8   |
| Selenium (dissolved)                           | ug/l  | WSR 18                | 10                 | 0.00 | 59.00                   | 20            | 12            | 59            | 5.4   |
| Zinc (dissolved)                               | ug/l  | US EPA                | 5000               | 0.00 | 23.00                   | 5.8           | 6.2           | 13            | 23    |
| Monoaromatics                                  |       |                       |                    |      |                         |               |               |               |       |
| Benzene                                        | ug/l  | PHG 17                | 10                 | 0.00 | 0.00                    | <3.0          | <3.0          | <3.0          | <3.0  |
| Toluene                                        | ug/l  | PHG 17                | 700                | 0.00 | 0.00                    | <3.0          | <3.0          | <3.0          | <3.0  |
| Ethylbenzene                                   | ug/l  | PHG 17                | 300                | 0.00 | 0.00                    | <3.0          | <3.0          | <3.0          | <3.0  |
| p & m-xylene                                   | ug/l  | PHG 17                | 500                | 0.00 | 0.00                    | <3.0          | <3.0          | <3.0          | <3.0  |
| o-xylene                                       | ug/l  | PHG 17                | 500                | 0.00 | 0.00                    | <3.0          | <3.0          | <3.0          | <3.0  |
| MTBE                                           | ug/l  | N/A                   | N/A                | 0.00 | 0.00                    | <3.0          | <3.0          | <3.0          | <3.0  |
| Petroleum Hydrocarbons                         |       |                       |                    |      |                         |               |               |               |       |
| Aliphatic >C5 - C6                             | ug/l  | PHG 17                | 15000              | 0.00 | 0.00                    | <1.0          | <1.0          | <1.0          | <1.0  |
| Aliphatic >C6 - C8                             | ug/l  | PHG 17                | 15000              | 0.00 | 0.00                    | <1.0          | <1.0          | <1.0          | <1.0  |
| Aliphatic >C8 - C10                            | ug/l  | PHG 17                | 300                | 0.00 | 0.00                    | <1.0          | <1.0          | <1.0          | <1.0  |
| Aliphatic >C10 - C12                           | ug/l  | PHG 17                | 300                | 0.00 | 0.00                    | <10           | <10           | <10           | <10   |
| Aliphatic >C12 - C16                           | ug/l  | PHG 17                | 300                | 0.00 | 0.00                    | <10           | <10           | <10           | <10   |
| Aliphatic >C16 - C21                           | ug/l  | N/A                   | N/A                | 0.00 | 0.00                    | <10           | <10           | <10           | <10   |
| Aliphatic >C21 - C35                           | ug/l  | N/A                   | N/A                | 0.00 | 0.00                    | <10           | <10           | <10           | <10   |
| Aliphatic (C5 - C35)                           | ug/l  | N/A                   | N/A                | 0.00 | 0.00                    | <10           | <10           | <10           | <10   |
| Petroleum Hydrocarbons                         |       |                       |                    |      |                         |               |               |               |       |
| Aromatic >C5 - C7                              | ug/l  | PHG 17                | 10                 | 0.00 | 0.00                    | <1.0          | <1.0          | <1.0          | <1.0  |
| Aromatic >C7 - C8                              | ug/l  | PHG 17                | 700                | 0.00 | 0.00                    | <1.0          | <1.0          | <1.0          | <1.0  |
| Aromatic >C8 - C10                             | ug/l  | PHG 17                | 500                | 0.00 | 0.00                    | <1.0          | <1.0          | <1.0          | <1.0  |
| Aromatic >C10 - C12                            | ug/l  | PHG 17                | 90                 | 0.00 | 0.00                    | <10           | <10           | <10           | <10   |
| Aromatic >C12 - C16                            | ug/l  | PHG 17                | 90                 | 0.00 | 0.00                    | <10           | <10           | <10           | <10   |
| Aromatic >C16 - C21                            | ug/l  | PHG 17                | 90                 | 0.00 | 0.00                    | <10           | <10           | <10           | <10   |
| Aromatic >C21 - C35                            | ug/l  | PHG 17                | 90                 | 0.00 | 0.00                    | <10           | <10           | <10           | <10   |
| Total >C5 - C35                                | ug/l  | N/A                   | N/A                | 0.00 | 0.00                    | <10           | <10           | <10           | <10   |

| TRC Companies Ltd - Chemical Assessment Record |       |                |                    |      |                         |               |               |               |        |
|------------------------------------------------|-------|----------------|--------------------|------|-------------------------|---------------|---------------|---------------|--------|
| Contract Engineer                              |       |                |                    |      | JGH                     |               |               |               |        |
| Project/Site Name                              |       |                |                    |      | Shinfield Park, Reading |               |               |               |        |
| Project Number                                 |       |                |                    |      | 610344.0000.0000        |               |               |               |        |
|                                                |       |                |                    |      |                         |               |               |               |        |
| Sample Reference                               |       |                |                    |      | WS101                   | WS102         | WS103         | WS107         |        |
| Depth                                          |       |                |                    |      | None Supplied           | None Supplied | None Supplied | None Supplied |        |
| Date Sampled                                   |       |                |                    |      | 12/07/2024              | 12/07/2024    | 12/07/2024    | 12/07/2024    |        |
| Time Taken                                     |       |                |                    |      | None Supplied           | None Supplied | None Supplied | None Supplied |        |
| Determinand                                    | Unit  | Source         | Screening Criteria | Min  | Max                     |               |               |               |        |
| General Inorganics                             |       |                |                    |      |                         |               |               |               |        |
| pH                                             | Units | N/A            | N/A                | 0.00 | 7.60                    | 7.4           | 7.3           | 7.4           | 7.6    |
| Electrical Conductivity at 20 °C               | µS/cm | N/A            | N/A                | 0    | 0                       | 0             | 0             | 0             | 0      |
| Total Cyanide                                  | µg/l  | N/A            | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0      |
| Complex Cyanide                                | µg/l  | N/A            | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0      |
| Free Cyanide                                   | µg/l  | N/A            | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0      |
| Thiocyanate as SCN                             | µg/l  | N/A            | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0      |
| Sulphate as SO <sub>4</sub>                    | µg/l  | N/A            | N/A                | 0    | 0                       | 0             | 0             | 0             | 0      |
| Sulphate as SO <sub>4</sub>                    | mg/l  | N/A            | N/A                | 0.00 | 1830.00                 | 1830          | 1550          | 1590          | 1490   |
| Total Sulphur                                  | µg/l  | N/A            | N/A                | 0    | 0                       | 0             | 0             | 0             | 0      |
| Sulphide                                       | µg/l  | N/A            | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0      |
| Chloride                                       | mg/l  | N/A            | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0      |
| Ammonium as NH <sub>4</sub>                    | µg/l  | N/A            | N/A                | 0    | 0                       | 0             | 0             | 0             | 0      |
| Dissolved Organic Carbon (DOC)                 | mg/l  | N/A            | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0      |
| Total Suspended Solids                         | mg/l  | N/A            | N/A                | 0    | 0                       | 0             | 0             | 0             | 0      |
| Phenols by HPLC                                |       |                |                    |      |                         |               |               |               |        |
| Catechol                                       | µg/l  | N/A            | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0      |
| Resorcinol                                     | µg/l  | N/A            | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0      |
| Ethylphenol & Dimethylphenol                   | µg/l  | N/A            | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0      |
| Cresols                                        | µg/l  | N/A            | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0      |
| Naphthols                                      | µg/l  | N/A            | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0      |
| Isopropylphenol                                | µg/l  | N/A            | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0      |
| Phenol                                         | µg/l  | N/A            | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0      |
| Trimethylphenol                                | µg/l  | N/A            | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0      |
| Total Phenols                                  |       |                |                    |      |                         |               |               |               |        |
| Total Phenols (HPLC)                           | µg/l  | N/A            | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0      |
| Speciated PAHs                                 |       |                |                    |      |                         |               |               |               |        |
| Naphthalene (aq)                               | ug/l  | GUK 18         | 2                  | 0.00 | 0.00                    | < 0.01        | < 0.01        | < 0.01        | < 0.01 |
| Acenaphthene (aq)                              | ug/l  | N/A            | N/A                | 0.00 | 0.00                    | < 0.01        | < 0.01        | < 0.01        | < 0.01 |
| Acenaphthylene (aq)                            | ug/l  | N/A            | N/A                | 0.00 | 0.00                    | < 0.01        | < 0.01        | < 0.01        | < 0.01 |
| Fluoranthene (aq)                              | ug/l  | GUK 18         | 0.0063             | 0.00 | 0.00                    | < 0.01        | < 0.01        | < 0.01        | < 0.01 |
| Anthracene (aq)                                | ug/l  | GUK 18         | 0.1                | 0.00 | 0.00                    | < 0.01        | < 0.01        | < 0.01        | < 0.01 |
| Phenanthrene (aq)                              | ug/l  | N/A            | N/A                | 0.00 | 0.00                    | < 0.01        | < 0.01        | < 0.01        | < 0.01 |
| Fluorene (aq)                                  | ug/l  | N/A            | N/A                | 0.00 | 0.00                    | < 0.01        | < 0.01        | < 0.01        | < 0.01 |
| Chrysene (aq)                                  | ug/l  | N/A            | N/A                | 0.00 | 0.00                    | < 0.01        | < 0.01        | < 0.01        | < 0.01 |
| Pyrene (aq)                                    | ug/l  | N/A            | N/A                | 0.00 | 0.00                    | < 0.01        | < 0.01        | < 0.01        | < 0.01 |
| Benzo(a)anthracene (aq)                        | ug/l  | N/A            | N/A                | 0.00 | 0.00                    | < 0.01        | < 0.01        | < 0.01        | < 0.01 |
| Benzo(b)fluoranthene (aq)                      | ug/l  | GUK 18         | 0.00017            | 0.00 | 0.00                    | < 0.01        | < 0.01        | < 0.01        | < 0.01 |
| Benzo(k)fluoranthene (aq)                      | ug/l  | GUK 18         | 0.00017            | 0.00 | 0.00                    | < 0.01        | < 0.01        | < 0.01        | < 0.01 |
| Benzo(a)pyrene (aq)                            | ug/l  | GUK 18         | 0.00017            | 0.00 | 0.00                    | < 0.01        | < 0.01        | < 0.01        | < 0.01 |
| Dibenzo(a,h)anthracene (aq)                    | ug/l  | N/A            | N/A                | 0.00 | 0.00                    | < 0.01        | < 0.01        | < 0.01        | < 0.01 |
| Benzo(g,h,i)perylene (aq)                      | ug/l  | GUK 18         | 0.00017            | 0.00 | 0.00                    | < 0.01        | < 0.01        | < 0.01        | < 0.01 |
| Indeno(1,2,3-cd)pyrene (aq)                    | ug/l  | GUK 18         | 0.00017            | 0.00 | 0.00                    | < 0.01        | < 0.01        | < 0.01        | < 0.01 |
| Total EPA-16 PAHs                              | ug/l  | N/A            | N/A                | 0.00 | 0.00                    | < 0.16        | < 0.16        | < 0.16        | < 0.16 |
| Heavy Metals / Metalloids                      |       |                |                    |      |                         |               |               |               |        |
| Arsenic (dissolved)                            | ug/l  | WFD 14         | 50                 | 0.00 | 0.92                    | 0.44          | 0.31          | 0.88          | 0.92   |
| Boron (dissolved)                              | ug/l  | EQS Annex VIII | 2,000              | 0.00 | 250.00                  | 250           | 240           | 170           | 170    |
| Cadmium (dissolved)                            | ug/l  | DEP 08         | 0.08               | 0.00 | 0.16                    | 0.07          | 0.05          | 0.16          | 0.05   |
| Chromium (hexavalent)                          | ug/l  | WFD 14         | 3.4                | 0.00 | 0.00                    | < 5.0         | < 5.0         | < 5.0         | < 5.0  |
| Chromium (dissolved)                           | ug/l  | WFD 14         | 4.7                | 0.00 | 7.70                    | 2             | 5.3           | 7.7           | 4.8    |
| Copper (dissolved)                             | ug/l  | WFD 14         | 1                  | 0.00 | 8.20                    | 2.3           | 1.6           | 8.2           | 6.5    |
| Lead (dissolved)                               | ug/l  | GUK 18         | 1.2                | 0.00 | 0.90                    | < 0.2         | < 0.2         | < 0.2         | 0.9    |
| Mercury (dissolved)                            | ug/l  | DEP 08 MAC     | 0.07               | 0.00 | 0.00                    | < 0.05        | < 0.05        | < 0.05        | < 0.05 |
| Nickel (dissolved)                             | ug/l  | GUK 18         | 4                  | 0.00 | 22.00                   | 4.3           | 3.6           | 22            | 8.8    |
| Selenium (dissolved)                           | ug/l  | N/A            | N/A                | 0.00 | 59.00                   | 20            | 12            | 59            | 5.4    |
| Zinc (dissolved)                               | ug/l  | WFD 14         | 10.9               | 0.00 | 23.00                   | 5.8           | 6.2           | 13            | 23     |
| Monoaromatics                                  |       |                |                    |      |                         |               |               |               |        |
| Benzene                                        | ug/l  | GUK 18         | 10                 | 0.00 | 0.00                    | < 3.0         | < 3.0         | < 3.0         | < 3.0  |
| Toluene                                        | ug/l  | WFD 14         | 74                 | 0.00 | 0.00                    | < 3.0         | < 3.0         | < 3.0         | < 3.0  |
| Ethylbenzene                                   | ug/l  | EQS R&D        | 20                 | 0.00 | 0.00                    | < 3.0         | < 3.0         | < 3.0         | < 3.0  |
| p & m-xylene                                   | ug/l  | RBD            | 30                 | 0.00 | 0.00                    | < 3.0         | < 3.0         | < 3.0         | < 3.0  |
| o-xylene                                       | ug/l  | RBD            | 30                 | 0.00 | 0.00                    | < 3.0         | < 3.0         | < 3.0         | < 3.0  |
| MTBE                                           | ug/l  | N/A            | N/A                | 0.00 | 0.00                    | < 3.0         | < 3.0         | < 3.0         | < 3.0  |
| Petroleum Hydrocarbons                         |       |                |                    |      |                         |               |               |               |        |
| Aliphatic >C5 - C6                             | ug/l  | N/A            | N/A                | 0.00 | 0.00                    | < 1.0         | < 1.0         | < 1.0         | < 1.0  |
| Aliphatic >C6 - C8                             | ug/l  | N/A            | N/A                | 0.00 | 0.00                    | < 1.0         | < 1.0         | < 1.0         | < 1.0  |
| Aliphatic >C8 - C10                            | ug/l  | N/A            | N/A                | 0.00 | 0.00                    | < 1.0         | < 1.0         | < 1.0         | < 1.0  |
| Aliphatic >C10 - C12                           | ug/l  | N/A            | N/A                | 0.00 | 0.00                    | < 10          | < 10          | < 10          | < 10   |
| Aliphatic >C12 - C16                           | ug/l  | N/A            | N/A                | 0.00 | 0.00                    | < 10          | < 10          | < 10          | < 10   |
| Aliphatic >C16 - C21                           | ug/l  | N/A            | N/A                | 0.00 | 0.00                    | < 10          | < 10          | < 10          | < 10   |
| Aliphatic >C21 - C35                           | ug/l  | N/A            | N/A                | 0.00 | 0.00                    | < 10          | < 10          | < 10          | < 10   |
| Aliphatic (C5 - C35)                           | ug/l  | N/A            | N/A                | 0.00 | 0.00                    | < 10          | < 10          | < 10          | < 10   |
| Petroleum Hydrocarbons                         |       |                |                    |      |                         |               |               |               |        |
| Aromatic >C5 - C7                              | ug/l  | N/A            | N/A                | 0.00 | 0.00                    | < 1.0         | < 1.0         | < 1.0         | < 1.0  |
| Aromatic >C7 - C8                              | ug/l  | N/A            | N/A                | 0.00 | 0.00                    | < 1.0         | < 1.0         | < 1.0         | < 1.0  |
| Aromatic >C8 - C10                             | ug/l  | N/A            | N/A                | 0.00 | 0.00                    | < 1.0         | < 1.0         | < 1.0         | < 1.0  |
| Aromatic >C10 - C12                            | ug/l  | N/A            | N/A                | 0.00 | 0.00                    | < 10          | < 10          | < 10          | < 10   |
| Aromatic >C12 - C16                            | ug/l  | N/A            | N/A                | 0.00 | 0.00                    | < 10          | < 10          | < 10          | < 10   |
| Aromatic >C16 - C21                            | ug/l  | N/A            | N/A                | 0.00 | 0.00                    | < 10          | < 10          | < 10          | < 10   |
| Aromatic >C21 - C35                            | ug/l  | N/A            | N/A                | 0.00 | 0.00                    | < 10          | < 10          | < 10          | < 10   |
| Total >C5 - C35                                | ug/l  | N/A            | N/A                | 0.00 | 0.00                    | < 10          | < 10          | < 10          | < 10   |

| TRC Companies Ltd - Chemical Assessment Record |       |          |                    |      |                         |               |               |               |        |
|------------------------------------------------|-------|----------|--------------------|------|-------------------------|---------------|---------------|---------------|--------|
| Contract Engineer                              |       |          |                    |      | JGH                     |               |               |               |        |
| Project/Site Name                              |       |          |                    |      | Shinfield Park, Reading |               |               |               |        |
| Project Number                                 |       |          |                    |      | 610344.0000.0000        |               |               |               |        |
|                                                |       |          |                    |      |                         |               |               |               |        |
| Sample Reference                               |       |          |                    |      | WS101                   | WS102         | WS103         | WS107         |        |
| Depth                                          |       |          |                    |      | None Supplied           | None Supplied | None Supplied | None Supplied |        |
| Date Sampled                                   |       |          |                    |      | 12/07/2024              | 12/07/2024    | 12/07/2024    | 12/07/2024    |        |
| Time Taken                                     |       |          |                    |      | None Supplied           | None Supplied | None Supplied | None Supplied |        |
|                                                |       |          |                    |      |                         |               |               |               |        |
| Determinand                                    | Unit  | Source   | Screening Criteria | Min  | Max                     |               |               |               |        |
| General Inorganics                             |       |          |                    |      |                         |               |               |               |        |
| pH                                             | Units | N/A      | N/A                | 0.00 | 7.60                    | 7.4           | 7.3           | 7.4           | 7.6    |
| Electrical Conductivity at 20 °C               | µS/cm | N/A      | N/A                | 0    | 0                       | 0             | 0             | 0             | 0      |
| Total Cyanide                                  | µg/l  | N/A      | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0      |
| Complex Cyanide                                | µg/l  | N/A      | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0      |
| Free Cyanide                                   | µg/l  | N/A      | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0      |
| Thiocyanate as SCN                             | µg/l  | N/A      | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0      |
| Sulphate as SO <sub>4</sub>                    | µg/l  | N/A      | N/A                | 0    | 0                       | 0             | 0             | 0             | 0      |
| Sulphate as SO <sub>4</sub>                    | mg/l  | N/A      | N/A                | 0.00 | 1830.00                 | 1830          | 1550          | 1590          | 1490   |
| Total Sulphur                                  | µg/l  | N/A      | N/A                | 0    | 0                       | 0             | 0             | 0             | 0      |
| Sulphide                                       | µg/l  | N/A      | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0      |
| Chloride                                       | mg/l  | N/A      | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0      |
| Ammonium as NH <sub>4</sub>                    | µg/l  | N/A      | N/A                | 0    | 0                       | 0             | 0             | 0             | 0      |
| Dissolved Organic Carbon (DOC)                 | mg/l  | N/A      | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0      |
| Total Suspended Solids                         | mg/l  | N/A      | N/A                | 0    | 0                       | 0             | 0             | 0             | 0      |
| Phenols by HPLC                                |       |          |                    |      |                         |               |               |               |        |
| Catechol                                       | µg/l  | N/A      | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0      |
| Resorcinol                                     | µg/l  | N/A      | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0      |
| Ethylphenol & Dimethylphenol                   | µg/l  | N/A      | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0      |
| Cresols                                        | µg/l  | N/A      | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0      |
| Naphthols                                      | µg/l  | N/A      | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0      |
| Isopropylphenol                                | µg/l  | N/A      | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0      |
| Phenol                                         | µg/l  | N/A      | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0      |
| Trimethylphenol                                | µg/l  | N/A      | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0      |
| Total Phenols                                  |       |          |                    |      |                         |               |               |               |        |
| Total Phenols (HPLC)                           | µg/l  | N/A      | N/A                | 0.00 | 0.00                    | 0             | 0             | 0             | 0      |
| Speciated PAHs                                 |       |          |                    |      |                         |               |               |               |        |
| Naphthalene (aq)                               | ug/l  | SOBRA 17 | 23000              | 0.00 | 0.00                    | < 0.01        | < 0.01        | < 0.01        | < 0.01 |
| Acenaphthene (aq)                              | ug/l  | SOBRA 17 | 15000000           | 0.00 | 0.00                    | < 0.01        | < 0.01        | < 0.01        | < 0.01 |
| Acenaphthylene (aq)                            | ug/l  | SOBRA 17 | 20000000           | 0.00 | 0.00                    | < 0.01        | < 0.01        | < 0.01        | < 0.01 |
| Fluoranthene (aq)                              | ug/l  | N/A      | N/A                | 0.00 | 0.00                    | < 0.01        | < 0.01        | < 0.01        | < 0.01 |
| Anthracene (aq)                                | ug/l  | N/A      | N/A                | 0.00 | 0.00                    | < 0.01        | < 0.01        | < 0.01        | < 0.01 |
| Phenanthrene (aq)                              | ug/l  | N/A      | N/A                | 0.00 | 0.00                    | < 0.01        | < 0.01        | < 0.01        | < 0.01 |
| Fluorene (aq)                                  | ug/l  | SOBRA 17 | 18000000           | 0.00 | 0.00                    | < 0.01        | < 0.01        | < 0.01        | < 0.01 |
| Chrysene (aq)                                  | ug/l  | N/A      | N/A                | 0.00 | 0.00                    | < 0.01        | < 0.01        | < 0.01        | < 0.01 |
| Pyrene (aq)                                    | ug/l  | N/A      | N/A                | 0.00 | 0.00                    | < 0.01        | < 0.01        | < 0.01        | < 0.01 |
| Benzo[a]anthracene (aq)                        | ug/l  | N/A      | N/A                | 0.00 | 0.00                    | < 0.01        | < 0.01        | < 0.01        | < 0.01 |
| Benzo[b]fluoranthene (aq)                      | ug/l  | N/A      | N/A                | 0.00 | 0.00                    | < 0.01        | < 0.01        | < 0.01        | < 0.01 |
| Benzo[k]fluoranthene (aq)                      | ug/l  | N/A      | N/A                | 0.00 | 0.00                    | < 0.01        | < 0.01        | < 0.01        | < 0.01 |
| Benzo[a]pyrene (aq)                            | ug/l  | N/A      | N/A                | 0.00 | 0.00                    | < 0.01        | < 0.01        | < 0.01        | < 0.01 |
| Dibenzo[a,h]anthracene (aq)                    | ug/l  | N/A      | N/A                | 0.00 | 0.00                    | < 0.01        | < 0.01        | < 0.01        | < 0.01 |
| Benzo[g,h,i]perylene (aq)                      | ug/l  | N/A      | N/A                | 0.00 | 0.00                    | < 0.01        | < 0.01        | < 0.01        | < 0.01 |
| Indeno[1,2,3-cd]pyrene (aq)                    | ug/l  | N/A      | N/A                | 0.00 | 0.00                    | < 0.01        | < 0.01        | < 0.01        | < 0.01 |
| Total EPA-16 PAHs                              | ug/l  | N/A      | N/A                | 0.00 | 0.00                    | < 0.16        | < 0.16        | < 0.16        | < 0.16 |
| Heavy Metals / Metalloids                      |       |          |                    |      |                         |               |               |               |        |
| Arsenic (dissolved)                            | ug/l  | N/A      | N/A                | 0.00 | 0.92                    | 0.44          | 0.31          | 0.88          | 0.92   |
| Boron (dissolved)                              | ug/l  | N/A      | N/A                | 0.00 | 250.00                  | 250           | 240           | 170           | 170    |
| Cadmium (dissolved)                            | ug/l  | N/A      | N/A                | 0.00 | 0.16                    | 0.07          | 0.05          | 0.16          | 0.05   |
| Chromium (hexavalent)                          | ug/l  | N/A      | N/A                | 0.00 | 0.00                    | < 5.0         | < 5.0         | < 5.0         | < 5.0  |
| Chromium (dissolved)                           | ug/l  | N/A      | N/A                | 0.00 | 7.70                    | 2             | 5.3           | 7.7           | 4.8    |
| Copper (dissolved)                             | ug/l  | N/A      | N/A                | 0.00 | 8.20                    | 2.3           | 1.6           | 8.2           | 6.5    |
| Lead (dissolved)                               | ug/l  | N/A      | N/A                | 0.00 | 0.90                    | < 0.2         | < 0.2         | < 0.2         | 0.9    |
| Mercury (dissolved)                            | ug/l  | N/A      | N/A                | 0.00 | 0.00                    | < 0.05        | < 0.05        | < 0.05        | < 0.05 |
| Nickel (dissolved)                             | ug/l  | N/A      | N/A                | 0.00 | 22.00                   | 4.3           | 3.6           | 22            | 8.8    |
| Selenium (dissolved)                           | ug/l  | N/A      | N/A                | 0.00 | 59.00                   | 20            | 12            | 59            | 5.4    |
| Zinc (dissolved)                               | ug/l  | N/A      | N/A                | 0.00 | 23.00                   | 5.8           | 6.2           | 13            | 23     |
| Monoaromatics                                  |       |          |                    |      |                         |               |               |               |        |
| Benzene                                        | ug/l  | SOBRA 17 | 20000              | 0.00 | 0.00                    | < 3.0         | < 3.0         | < 3.0         | < 3.0  |
| Toluene                                        | ug/l  | SOBRA 17 | 230000             | 0.00 | 0.00                    | < 3.0         | < 3.0         | < 3.0         | < 3.0  |
| Ethylbenzene                                   | ug/l  | SOBRA 17 | 960000             | 0.00 | 0.00                    | < 3.0         | < 3.0         | < 3.0         | < 3.0  |
| p & m-xylene                                   | ug/l  | SOBRA 17 | 94000              | 0.00 | 0.00                    | < 3.0         | < 3.0         | < 3.0         | < 3.0  |
| o-xylene                                       | ug/l  | SOBRA 17 | 1100000            | 0.00 | 0.00                    | < 3.0         | < 3.0         | < 3.0         | < 3.0  |
| MTBE                                           | ug/l  | SOBRA 17 | 7800000            | 0.00 | 0.00                    | < 3.0         | < 3.0         | < 3.0         | < 3.0  |
| Petroleum Hydrocarbons                         |       |          |                    |      |                         |               |               |               |        |
| Aliphatic >C5 - C6                             | ug/l  | SOBRA 17 | 190000             | 0.00 | 0.00                    | < 1.0         | < 1.0         | < 1.0         | < 1.0  |
| Aliphatic >C6 - C8                             | ug/l  | SOBRA 17 | 150000             | 0.00 | 0.00                    | < 1.0         | < 1.0         | < 1.0         | < 1.0  |
| Aliphatic >C8 - C10                            | ug/l  | SOBRA 17 | 5700               | 0.00 | 0.00                    | < 1.0         | < 1.0         | < 1.0         | < 1.0  |
| Aliphatic >C10 - C12                           | ug/l  | SOBRA 17 | 3600               | 0.00 | 0.00                    | < 10          | < 10          | < 10          | < 10   |
| Aliphatic >C12 - C16                           | ug/l  | N/A      | N/A                | 0.00 | 0.00                    | < 10          | < 10          | < 10          | < 10   |
| Aliphatic >C16 - C21                           | ug/l  | N/A      | N/A                | 0.00 | 0.00                    | < 10          | < 10          | < 10          | < 10   |
| Aliphatic >C21 - C35                           | ug/l  | N/A      | N/A                | 0.00 | 0.00                    | < 10          | < 10          | < 10          | < 10   |
| Aliphatic (C5 - C35)                           | ug/l  | N/A      | N/A                | 0.00 | 0.00                    | < 10          | < 10          | < 10          | < 10   |
| Petroleum Hydrocarbons                         |       |          |                    |      |                         |               |               |               |        |
| Aromatic >C5 - C7                              | ug/l  | SOBRA 17 | 20000000           | 0.00 | 0.00                    | < 1.0         | < 1.0         | < 1.0         | < 1.0  |
| Aromatic >C7 - C8                              | ug/l  | SOBRA 17 | 21000000           | 0.00 | 0.00                    | < 1.0         | < 1.0         | < 1.0         | < 1.0  |
| Aromatic >C8 - C10                             | ug/l  | SOBRA 17 | 190000             | 0.00 | 0.00                    | < 1.0         | < 1.0         | < 1.0         | < 1.0  |
| Aromatic >C10 - C12                            | ug/l  | SOBRA 17 | 660000             | 0.00 | 0.00                    | < 10          | < 10          | < 10          | < 10   |
| Aromatic >C12 - C16                            | ug/l  | SOBRA 17 | 3700000            | 0.00 | 0.00                    | < 10          | < 10          | < 10          | < 10   |
| Aromatic >C16 - C21                            | ug/l  | N/A      | N/A                | 0.00 | 0.00                    | < 10          | < 10          | < 10          | < 10   |
| Aromatic >C21 - C35                            | ug/l  | N/A      | N/A                | 0.00 | 0.00                    | < 10          | < 10          | < 10          | < 10   |
| Total >C5 - C35                                | ug/l  | N/A      | N/A                | 0.00 | 0.00                    | < 10          | < 10          | < 10          | < 10   |